TVRA Graduate and Undergraduate Portable 4K Multi-Camera Package

School:	School of Visual, Media and Performing Arts
Department/Office:	Television and Radio
Applicant Name:	Cheong, Young
Additional Applicant(s):	Jason Moore
Primary Contact for Proposal	
Email Address:	cyoung@brooklyn.cuny.edu
Phone:	7189515555
Estimated total cost:	$ 13,910.00

Description of Proposed Project:
We are increasingly finding more and more opportunities for students to produce Micro Multicam Productions (MMP), but we do not have the resources to support these. MMP are scaled down multiple camera production events that do not require traditional, bulky, complex multi-cam equipment. With the recent closure of the Television Studio, it is more important than ever that we acquire the affordable, portable, scaled down MMP equipment that will allow us to continue teaching our students multi-camera producing and directing.

While programs are still made with the same ideals of a television program, shorter more concise programs have been able to reach more viewers. More than ever there are more platforms for content creators to display their productions and at times they are required to be made-on-demand. Live streaming, for example, has become very popular on multiple social media platforms and has allowed greater audience accessibility. All of these adaptions requires for students to be able to move quickly with the equipment and not to be tied down to the stationary wiring that is required by traditional television.

The portable studios are also "future-proofed" because they can support the newer 4K streaming, along with current HD technology. Thus, we need these portable studios that will enable the department to keep up with the demands of technology.
Estimated total cost:

ProductsEstimated Price
ATEM Television Studio PRO 4K$2,995
HyperDeck Studio 12G$1,495
MACKIE FX12V2 Sound Mixer$250
EARTEC HUB7SMXS$1,530
Lilliput BM150-4K$900
Samsung 2TB SSD$297
SlingStudio Production kit$1,745
Atomos Shogun Inferno Kit$1,495
E.T.C(Cable, Case, Adapter)$1,500
Total$13,910

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The Department of Television and Radio strives to prepare students for the job market. We want to simulate real-world job experience. Our curriculum includes multi-cam and single production classes. Including Portable 4K Multicam package in the curriculum would allow students to take advantage of current HD and 4K technology, which are essential tools in the field.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   **How many hours per week the lab will be open:**

b.   **Who will supervise the facility and how will that be funded ongoing:**

c.   What physical space will be used to host the facility, and who has authorized its use:

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

Please describe how many students will be served each term through the funding of this project, and through what means:

Most of our students at the graduate and undergraduate level, or roughly 500 TV/Radio students, will use this equipment throughout the year. We have a great working relationship with the PIMA Department and sometimes we share our resources. Thus, we hope to continue to extend our relationship by sharing various tools such as the 4K cameras and the portable Multicam Package with the PIMA Department.

How will projected outcomes be assessed?

The objective is to meet the demands of our graduate and undergraduate programs. Our program in the Department of TV and Radio has already implemented HD into our entire curriculum. With the upcoming transition from HD to 4K video, the outcomes would be immensely beneficial to students. The new Portable 4K Multicam can easily handle 4K files in addition to a variety of video formats. By upgrading technology, the curriculum of our faculty members would not be limited and they will have the teaching power to deal with 4K video, which will become the industry standard.

4K Multi Camera SYSTEM

Products	Estimated Price	HOMEPAGE
ATEM Television Studio PRO 4K	$ 2,995	Click
HyperDeck Studio 12G	$ 1,495	Click
MACKIE FX12V2 Sound Mixer	$ 250	Click
EARTEC HUB7SMXS	$ 1,530	Click
Lilliput BM150-4K	$ 900	Click
Samsung 2TB SSD	$297	Click
SlingStudio Production kit	$1,745	Click
Atomos Shogun Inferno Kit	$1,495	Click
E.T.C(Cable, Case, Adapter)	$ 1,500	Click
Total	$13,910	

SYSTEM Design

MIC

MIC

MIC

MIC

MIC

XLR

XLR

XLR

XLR

XLR

Mackie ProFX12

CAMERA

CAMERA

CAMERA

CAMERA

XLR

XLR

SDI

SDI

SDI

SDI

ATEM Television Studio Pro 4K

SDI

PGM(4K TV)

SDI

MultiViewer
Lilliput BM150

HyperDeck Studio 12G

SDI

MASTER
Lilliput BM150

Eartec HUB751MXD
Wireless

2
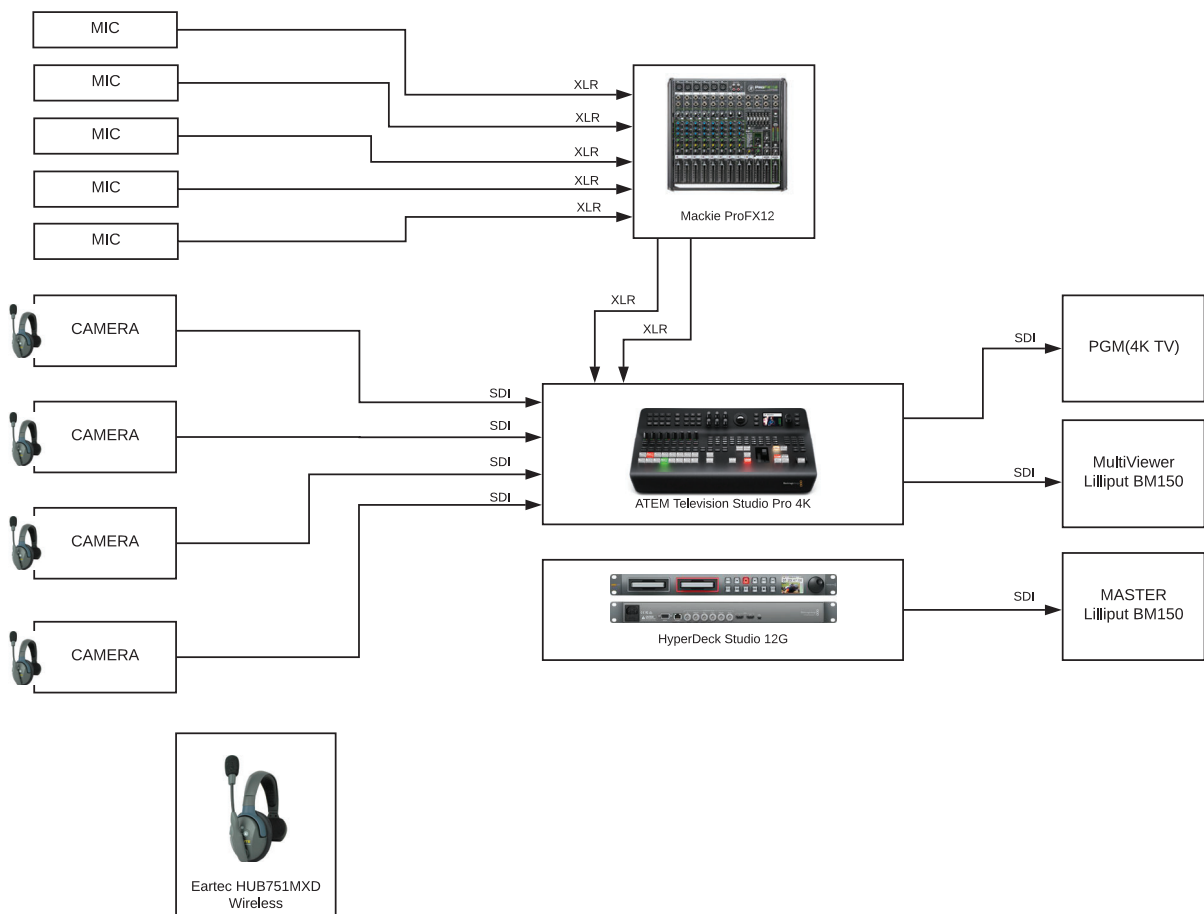
ATEM Television Studio Pro 4K

ATEM Television Studio Pro 4K features 8 independent 12G-SDI inputs, for working in all popular HD and Ultra HD formats up to 2160p60. Each input features re-sync as well as a full low latency standards converter, which means the input is automatically adapted to the switchers format. You can even have 8 inputs, all running different video formats! The upgraded Fairlight audio mixer features dynamics, 6 band parametric EQ, dual mono channel split and stereo simulator with audio delay on the analog inputs. ATEM Television Studio Pro 4K also features the ATEM Advanced Chroma Key, Ultra HD multi-view and motion clips in the media pool

HyperDeck Studio 12G

When you need to go beyond 1080p30, HyperDeck Studio 12G is a more advanced version of HyperDeck Studio. Featuring 12G-SDI connections and HDMI 2.0, HyperDeck Studio 12G works with all SD, HD and Ultra HD formats up to 2160p60 over a single cable. You still get all of the benefits of HyperDeck Studio, including its familiar VTR style deck controls and broadcast quality compressed and uncompressed 10-bit 4:2:2 recording.

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MACKIE ProFX12v2

A Mackie ProFXv2 mixers provide a comprehensive live sound solution with a wide range of models, each delivering unmatched performance. With the all-new preamps and effects engine, plus tools like GEQ and USB recording/playback, ProFXv2 mixer performance will truly elevate your live sound game.

EARTEC ULTRA LITE HUB7SMXS (7 Person)

The HUB System from Eartec is a 7-Person Wireless Intercom system and includes six UltraLITE single remote headsets, HUB mini base station, a Monarch headset, seven lithium rechargeable batteries, an 8-port charger, and a soft-side case. for use in mobile video production, field production, live sports, theater sets & sounds stages. The lightweight (4 oz) yet solid construction of system headsets allows for hours of comfortable use and with a 6 hour battery life there's no need to worry about getting cut

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off during that critical take or cue! Systems cover a huge +-mile range. Headsets feature a convenient (mic-muteö by simply swiveling the boom 270° upward. Kits include a HUB mini-base station, master headset, remote headset, battery charger and carry case.

Lilliput BM150-4K

Built into a hard case, the Lilliput BM150-4K is a 15" native UHD 4K monitor useful for both studio and field situations. The full capacity of the 3840 x 2160 UHD resolution 8-bit panel can be driven at up to 30 fps by any of the three HDMI 1.4 inputs, or up to 60 fps by the single HDMI 2.0 input. Other inputs available on the back panel for HD and VESA sources include 3G-SDI (with a loop-through output), DVI, and VGA. Video signals input via any of these ports will be properly scaled to fit the entire screen. Analog audio from the RCA inputs or embedded digital audio from video inputs can be heard using the monitor's built-in speakers or the 3.5mm headphone output.

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Mobile Journalism Kits for JAMS (Journalism and Media Studies) Students

School: School of Visual, Media and Performing Arts

Department/Office: Television and Radio

Applicant Name: Cheong, Young

Additional Applicant(s): Robinson, MJ

Primary Contact for Proposal

    Email Address: cyoung@brooklyn.cuny.edu

    Phone: 7189515555

Estimated total cost: $ 3,132.00

Description of Proposed Project:

The Journalism and Media Studies program (JAMS) is about to enter its third year of existence. This program which replaces the former BSBJ (Broadcast Journalism) program teaches two central competencies: that students must master the traditional journalism techniques of writing, reporting and research and that students must be able to use these techniques across a variety of media platforms - video, photo, audio, web-based text, data visualization - what the industry calls "convergent journalism."

Cell phones have become a crucial content gathering and distribution tool for today's journalists such that an entire subset of journalism (mo-jo for mobile journalism) designates those whose primary methods of content gathering are small, compact, powerful cameras, but also and increasingly, phones and tablets. Journalism is also increasingly engaged with and using social media - news breaks on Twitter, is visually chronicled on Instagram and presented through direct upload to the web by journalists at the site of the news - seamlessly - through their mobile devices.

This specialization requires special training and is greatly enhanced by work with accessories designed to optimize the mobile phone or tablet hardware and, through the use of free apps to take phone video, audio and graphics to "the next level." This proposal will provide JAMS students with a compact "pack" in which they will have everything they need to create professional-grade journalism on location using their mobile phone or tablet.

**The "pack" attribute here merits further explanation - as can be seen, we are requesting 10 of each item of technology as well as 10 sling cases into which all of the technology will fit. This is in line with best practices at professional news organizations from the New York Times to MSNBC to local web-based outlets that integrate multiple media - BRIC, etc.. The goal is to have everything a journalist needs to tell the story across any anticipated platforms in one easy-to-grab-and-go package. Students will check out the pack as a unit and then use their growing news and platform-sense to choose from among its contents in an informed manner that creates the best journalistic record of the story that they are reporting.

This approach to equipment distribution extends across the JAMS equipment - to backpack kits with DSLRs and professional mics that are taught and used in our video reporting courses. This project extends this philosophy of tech acquisition, maintenance and distribution to mobile and contributes to a coherent learning experience and culture of equipment and platform choice that is used in the journalism industry.

10 x Mobile Journalism Kits

Apexel 4in1 Cell Phone Camera System10$17.99$179.90

Audio-Technica Consumer ATR3350iS omnidirectional Condenser Lav Mic for Smartphones10$29.00$290.00

Joby GripTight PRO Telepod10$99.95$999.50

Resident Audio RCS-2 Microphone Stick for Smartphones10$29.99$299.90

VariZoom STEALTHYGO-ULTIMATE Photo and Video Shooting Kit10$66.30$663.00

Timbuk2 Camera Bag - Sling10$69.99$699.90

Total$3,132.20

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
This project is designed to give students experience using their mobile phones as professional reporting devices and creating high-quality journalism content on-location. These are crucial skills and abilities for today's working journalists to have - "selfie" skills and instagram posts are NOT journalistic competencies and students must have professionalizing experience of using their phones as reporting media. The equipment in these packs, extend the capacity of the phone to produce high-quality video through external lenses and filters, to enable the student to capture professional-quality audio with external mics, and to create stable shots with extension arms and tripods specially designed for mobile content. Learning with and through these technologies will take our students to the next level of mobile and social reporting and prepare them to enter a competitive workforce having already mastered key competencies sought by all contemporary newsrooms.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

b.   Who will supervise the facility and how will that be funded ongoing:

c.   What physical space will be used to host the facility, and who has authorized its use:

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

Please describe how many students will be served each term through the funding of this project, and through what means:
The JAMS program currently enrolls 80 students and the integration of the English Journalism program in Fall 2020 will bring another 50 students into the major. Additionally, our growth trends seem to indicate a ballpark estimate of about an 8-10% increase in majors yearly. Three classes have been earmarked as directly benefitting from this request:
TVRA 2032 - Tools of Storytelling - 3 sections x 15 students = 45
TVRA4040 - Mobile and Social Media - 1 section x 15 students
TVRA4777 - Capstone in Journalism and Media Studies - 1 section x 24 students
Students will be introduced to the technology in TVRA2032, our gateway storytelling course, do a deeper dive into the applications and uses of the technology in TVRA4040 - a platform-based elective, and have the option of utilizing this equipment and these skills in TVRA4777 - their Capstone experience. Across all of these classes, students will be using the technology to report original stories and thus gain crucial professionalizing experience. While the number of students served by these kits will vary from semester to semester, because all JAMS students must take both 2032 and 4777, at some point these kits will serve all students in the major.

How will projected outcomes be assessed?
Outcomes will be assessed through our Department outcomes assessment of the curriculum which will test mastery and ability to use this technology to create journalism in 2032 through an analysis of the stories reported with this technology cross the semester. Further assessment of learning across the program will be assessed through examination of the students' work in 4040 focusing on advances they have made in their use of the equipment through that curriculum. Culminating assessment will be done in Capstone, 4777 where all competencies and learning goals of the JAMS program are examined via the work students produce for their online portfolios. We note that while these assessments are designed to look at the program as a whole, due to the unique nature of reporting and the way that stories are created and distributed, it will be easy to focus on those produced via the "mojo" kits and to specifically assess how students are engaging with, using, and mastering this equipment.

Undergraduate Multimedia Software for the Multimedia Lab in the Television and Radio Department.

School:	School of Visual, Media and Performing Arts
Department/Office:	Television and Radio
Applicant Name:	Cheong, Young
Additional Applicant(s):	Jannone, John
Primary Contact for Proposal	
Email Address:	cyoung@brooklyn.cuny.edu
Phone:	7189515555
Estimated total cost:	$ 1,125.00

Description of Proposed Project:
Houdini is a procedural 3D graphics, animation, mapping/topology, and effects system that will empower our TVR students to work freely, create multiple iterations or worlds and effects, and rapidly share workflows with instructors and peers. Houdini's procedural workflow is ideal for creating sophisticated particle, crowd, fluid, topographic/geographic, and dynamic simulations, all of which are currently being taught in TVR 3841 Multimedia Design and Production. This software will be installed in 25 TVR departmental workstations and will be managed by the TVR staff.

Houdini Educational (https://www.sidefx.com)
15 WS x $75

Total $1,125

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The Department of Television and Radio strives to prepare students for the job market. We want to simulate real-world job experience. Our curriculum includes multi-cam and post-production classes.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

50

b.   Who will supervise the facility and how will that be funded ongoing:

The staff at our current department will oversee the equipment.

c.   What physical space will be used to host the facility, and who has authorized its use:

We have a Multimedia Lab in room 307, Whitehead Hall, and it is the department who that is in charge of

authorizing its usage.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

No renovations or furnishings are required.

Please describe how many students will be served each term through the funding of this project, and

through what means:

The students primarily served will be the approximately 50 undergraduate students that are enrolled each year in TVR multimedia production classes. However, TVR students of similar courses, in other classes taught in the facility, will also benefit from these improvements.

How will projected outcomes be assessed?
To give an important update to the hardware and software in the Television and Radio Multimedia Lab

Graduate and Undergraduate Virtual Reality Cameras, headsets and computers.

School:	School of Visual, Media and Performing Arts
Department/Office:	Television and Radio
Applicant Name:	Cheong, Young
Additional Applicant(s):	moore, Joson
Primary Contact for Proposal	
Email Address:	cyoung@brooklyn.cuny.edu
Phone:	7189515555
Estimated total cost:	$ 3,400.00

Description of Proposed Project:
Our department is committed to teaching and using emerging technology to train our students to be cross platform storytellers in an age where new forms of communication are created and distributed rapidly. We have been teaching Virtual Reality for two years using personal equipment donated by professors because our funding requests for this technology have been denied. Our students have embraced these new forms of expression and as we continue to refine and revamp curriculum across all majors in our department, VR, AR and MR courses are being developed and written. We are in great need of some support in this area: we are requesting cameras and software that can shoot and edit 360 degree videos, and we are requesting two immersive VR stations (computer, head mounted display, hand controls) that will be incorporated into our existing multimedia lab on the 3rd floor of Whitehead Hall.

VR Equipment:

2 x Go Pro Fusion 360 Cameras ($600 each)
2 x HTC Vive Headsets ($450 each)
2 x Alienware VR Ready Laptops ($1300 each)

Estimated total cost: 3,400

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
This grant will help keep the MFA program competitive in a field where students select programs not only for the curriculum but also for the facilities and type of equipment being taught.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

50

b.   Who will supervise the facility and how will that be funded ongoing:

The staff at our current department will oversee the equipment.

c.   What physical space will be used to host the facility, and who has authorized its use:

We have a Multimedia Lab in room 307, Whitehead Hall, and it is the department who that is in charge of authorizing its usage.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

We have a Multimedia Lab in room 307, Whitehead Hall, and it is the department who that is in charge of authorizing its usage.

Please describe how many students will be served each term through the funding of this project, and through what means:

The VR equipment listed will be used in nearly every class session of 7731G and 7753G and 3 undergraduate

single camera classes would be made available to advanced level MFA students through the department's media lab in Whitehead hall.

How will projected outcomes be assessed?
The objective is to meet the demands of our graduate and undergraduate programs. Our program in the Department of TV and Radio has already implemented HD into our entire curriculum. With the upcoming transition from HD to 4K video, the outcomes would be immensely beneficial to students. By introducing VR technology, the curriculum of our faculty members would not be limited and they will have the teaching power to deal with VR video.

VR Equipment list

(2) Go Pro Fusion 360 Cameras ($600 each):
https://www.bhphotovideo.com/c/product/1383430-REG/gopro_chdhz_103_fusion.html?sts=pi

(2) HTC Vive Headsets ($450 each):
https://www.bhphotovideo.com/c/product/1337110-REG/htc_99haln002_00_vive_vr_system.html

(2) Alienware VR Ready Laptops ($1300 each):
https://www.bhphotovideo.com/c/product/1401175-REG/dell_aw15r4_7736slv_15_6_alienware_15_r4.html/pageID/accessory

Music classrooms and concert equipment

School:	School of Visual, Media and Performing Arts
Department/Office:	Music, Conservatory of
Applicant Name:	Geers, Douglas
Additional Applicant(s):	Cohen, Douglas
	Brunner, George

Primary Contact for Proposal

Email Address:	dgeers@brooklyn.cuny.edu
Phone:	646-628-2699
Estimated total cost:	$ 11,063.00

Description of Proposed Project:

The Conservatory of Music is proposing two projects to sustain our music technology offerings to students. We note that our main campus facilities and classes were not been granted any STF funds during the past two cycles, and the needs are now serious. The areas we seek to support are (1) music technology classes and (2) concert production and amplification.

1. CLASSES: Our music technology courses have been popular with students. We now have an undergraduate minor in Music Technology and MFA programs in both Sonic Arts and Media Scoring. We are also developing a new track in the Music BA program specifically for Music Technology. Our classes provide theoretical information and practical skills that could lead to employment in the music/media industry, and also provide artistic expressions for students. However the equipment on the main campus is seriously lacking.

2. CONCERTS: We believe that it is vital to take our students beyond the classroom and give them opportunities to perform their music live onstage. However this requires production and amplification infrastructure. Whereas we do have some equipment now, it is clearly not enough and some of it is exhibiting declining functionality due to age. We also wish to stay abreast of changes in the industry, for instance by adding multichannel sound possibilities to our concert equipment.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?

How will this request have an impact on student learning or student life?

These tools will be used by hundreds of students per semester: All of our Sonic Arts majors, all Music Technology undergraduate minors, as well as many Music majors, all concert and recording interns, and many non-majors who we welcome into our ensembles and courses. Students will encounter the technology in courses, in lab work, during internships, and as members of performing ensembles.

What are the objectives of this project?

For the classrooms, we simply want to replace equipment that has been damaged or become otherwise unusable in recent years, and to augment our ability to allow students to get hands-on experiences during class with microphones, cables, and audio interfaces. For concerts, our goal is to provide one professional-level performance system that students may share and use for concerts of amplified music related to their classes and programs. Moreover, following the success of our MFA degrees, we are now planning an undergraduate Music Technology program, which will require more robust infrastructure to serve a larger number of students and courses.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

30

b. Who will supervise the facility and how will that be funded ongoing:

We have a graduate assistant whose job is to manage these rooms. He has work-study assistants. The TA reports to Profs. Douglas Geers and Douglas Cohen. Our CLT, George Brunner, also provides technical support.

c.   What physical space will be used to host the facility, and who has authorized its use:

We will place items in 116 and 118 Roosevelt Extension, our current classroom/lab spaces

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

N/A

Please describe how many students will be served each term through the funding of this project, and through what means:

We estimate that this project will serve 300-400 students per semester. Specific courses that will use the tools include Introduction to Music Technology, Electroacoustic Music I, Electroacoustic Music II, Electroacoustic Ensemble, Building Electronic Music Instruments, Recording and Engineering Music, Computer Music I, Computer Music II, Composition Lessons I-IV, Sonic Arts Composition I-IV, Acoustics and Psychoacoustics of Music, Interactive Computer Music I-II, History of Electronic and Computer Music, Sound Design I-II, Music Theory I-III, Keyboard Skills I-IV, Jazz Arranging and Orchestration, Contemporary Jazz Theory and Musicianship, and History of Popular Music and Technology. Some sections of our core course MUSC 1300 will also use the facilities, reaching a wide undergraduate population.

How will projected outcomes be assessed?

We will continue to track usage of the 116RE and 118RE classrooms/labs. We will request student assessments of the facilities and experience with them . We will also engage with students during course instruction, to learn their opinions of our choices and get their input on further steps we might take to enhance and optimize their instruction. And we will review course evaluations for courses that use the technologies to assess how successful their integration is.

Brooklyn College Center for Computer Music

Student Technology Fees (STF) grant application
BUDGET
Fall, 2018

Total request = $11,063 for two projects.

Music Technology classes support:

ITEM	Cost each	#	COST
Akai Professional MPK Mini mkII Keyboard Controller https://www.sweetwater.com/store/detail/MPKmini2--akai-professional-mpk-mini-mkii-keyboard-controller	$100	6	$600
Focusrite Scarlett Solo audio interface https://www.sweetwater.com/store/detail/ScarlettSoloG2--focusrite-scarlett-solo	$110	2	$220
KRK Rockit RP5G3 studio monitor speaker bundle (with stands; for lessons) http://www.proaudiostar.com/krk-rokit-5-rp5g3-studio-monitor-pair-stands-cables-pads.html?utm_source=Google_Shopping&gclid=CjwKCAiAmO3gBRBBEiwA8d0Q4pYTehq04fX4BM93mXbK_wmhXjsvP_rG0l09jCeKka01zdKjPVQLaBoClvQQAvD_BwE	$289	1	$289
Mackie 1202 VLZ4 audio mixer (for lesons) https://www.bhphotovideo.com/c/product/996859-REG/mackie_1202_vlz4_1202vlz4_12_channel_compact_mixer.html/?ap=y&gclid=CjwKCAiAmO3gBRBBEiwA8d0Q4vXMORnRMN4TeL-XSbyIMGRcTc1_mQy0ezDy_zazY8fMVYLn9bT6NRoCi4IQAvD_BwE&lsft=BI%3A514&smp=Y	$300	1	$300
Roland UM-ONE mk2 USB MIDI interfaces https://www.sweetwater.com/store/detail/UMOneMk2--roland-um-one-mk2	$40	6	$240
Apple Thunderbolt To Firewire Adapter https://www.bhphotovideo.com/c/product/1173741-REG/apple_md464ll_a_thunderbolt_to_firewire_adapter.html	$29	5	$145
Kensington security slot adapter kits (for audio interfaces) https://www.amazon.com/Kensington-Security-Slot-Adapter-Kit/dp/B00A2VKJHQ	$13	8	$108
Kengsington combination cable lock https://www.amazon.com/Kensington-Combination-Laptops-Devices-K64673AM/dp/B005J7Y99W/ref=pd_bxgy_147_img_2?_encoding=UTF8&pd_rd_i=B005J7Y99W&pd_rd_r=d16b509b-0470-11e9-8589-1d2b1f88d95b&pd_rd_w=sC20V&pd_rd_wg=zSDZP&pf_rd_p=6725dbd6-9917-451d-beba-16af7874e407&pf_rd_r=HENJZE0JB7ECSSWQDX90&psc=1&refRID=HENJZE0JB7ECSSWQDX90	$19	8	$152
Shure SM 58 microphones https://www.bhphotovideo.com/c/product/68463-REG/Shure_SM58_LC_SM58_LC_Cardioid_Dynamic.html	$90	5	$450
K&M 210/9 Tripod Microphone Stand with Telescoping Boom https://www.bhphotovideo.com/c/product/154628-REG/K_M_21090_500_55_210_9_Tripod_Microphone_Stand.html	$69	5	$345

Sony MDR-7506 Headphones https://www.bhphotovideo.com/c/product/49510-REG/Sony_MDR_7506_MDR_7506_Headphone.html	$100	10	$1,000
Pro Co Sound Excellines XLR Male to XLR Female Lo-z Microphone Cable (2x 24 Gauge) - 20' https://www.bhphotovideo.com/c/product/128706-REG/Pro_Co_Sound_EXM_20_Excellines_XLR_Male_to.html	$20	10	$200
Pro Co Sound Excellines Series 1/4" Phone Male to 1/4" Phone Male Instrument Cable - 10' https://www.bhphotovideo.com/c/product/128588-REG/Pro_Co_Sound_EG_10_Excellines_1_4_Male.html	$8	6	$48
Pro Co Sound Excellines 1/4" TRS Male to 1/4" TRS Male - 10' https://www.bhphotovideo.com/c/product/227814-REG/Pro_Co_Sound_BP_10_Excellines_Stereo_1_4_Male.html	$16	6	$66
3.5mm female to 7mm (1/4 inch) male plug adapters (pack of five) https://www.amazon.com/dp/B00PIWB2SO/ref=cm_sw_r_cp_ep_dp_t.IxBbV5DEGRE	$7	4	$28
Tripp Lite 8 Outlet Safety Power Strip, 12ft Cord with GFCI 5-15P Plug https://www.amazon.com/gp/product/B000WJ7R4G/ref=ox_sc_saved_title_9?smid=ATVPDKIKX0DER&psc=1	$44	4	$176
Weller WE1010NA Digital Soldering Station https://www.amazon.com/Weller-WE1010NA-Digital-Soldering-Station-x/dp/B077JDGY1J/ref=sr_1_1_sspa?ie=UTF8&qid=1545324461&sr=8-1-spons&keywords=weller+soldering+station&psc=1	$123	4	$492
Adjustable Helping Hand with Magnifying Glass https://www.amazon.com/Neiko-01902-Adjustable-Magnifying-Alligator/dp/B000P42O3C?psc=1&SubscriptionId=AKIAJQUMBT74S4ZKCBTA&tag=makeradvisor-20&linkCode=xm2&camp=2025&creative=165953&creativeASIN=B000P42O3C	$6.50	10	$65
Haako T18-D16 Chisel Tip for soldering stations https://www.hakkousa.com/products/soldering-iron-tips/t18-series/t18-d16.html	$5.70	10	$57
Honeytone mini audio amplifier https://www.guitarcenter.com/Honeytone/N-10-Guitar-Mini-Amp.gc	$23	6	$138
Wire strippers https://www.amazon.com/gp/product/B06X9875Z7/ref=oh_aui_search_detailpage?ie=UTF8&psc=1	$7	5	$35
22 AWG Red Stranded Tinned-Copper Hook-Up Wire 1000 Feet https://www.jameco.com/z/9306-2-22-AWG-Red-Stranded-Tinned-Copper-Hook-Up-Wire-1000-Feet_2169310.html	$68	1	$68
22 AWG Black Stranded Tinned-Copper Hook-Up Wire 500 Feet https://www.jameco.com/z/818-0-500-22-AWG-Black-Stranded-Tinned-Copper-Hook-Up-Wire-500-Feet_2206601.html	$27	2	$54
TOTAL			**$5,276**

Concert Equipment:

ITEM	Cost each	#	COST
Yamaha DBR10- 10" 2-Way Powered Loudspeaker https://www.bhphotovideo.com/c/product/1080596-REG/yamaha_dbr10_10_2_way_powered.html/?ap=y&gclid=CjwKCAiAmO3gBRBBEiwA8d0Q4qKWWERhzkz8WSC6_JLcXp7WBkoB_d25vJhElY5-15kW6li2sztw8hoCC2gQAvD_BwE&lsft=BI%3A514&smp=Y	$400	2	$800
On-Stage SSP7950 Aluminum Speaker Stand Pak https://www.bhphotovideo.com/c/product/523831-REG/On_Stage_SSP7950_SSP7950_Aluminum_Speaker_Stand.html/?ap=y&gclid=CjwKCAiAmO3gBRBBEiwA8d0Q4tqLlH12lWeSWGfmrZ7DZ7Y2KIrwlb1gUgwEZbjRZrDhS73Ji0uvCRoCw1kQAvD_BwE&lsft=BI%3A514&smp=Y	$100	1	$100
Allen & Heath ZED-10FX 10-Channel USB Mixer with Effects - 16-bit/48kHz https://www.bhphotovideo.com/c/product/676433-REG/Allen_Heath_ZED_10FX_ZED_10FX_Multi_Purpose_Miniature_Mixer.html/?ap=y&gclid=CjwKCAiAmO3gBRBBEiwA8d0Q4gKwXegTqcL-V-Mu8Ii--rFZnrOLYqJ09I_oYB-l_J8JJENXg5UiGxoC0fwQAvD_BwE&lsft=BI%3A514&smp=Y	$330	1	$330
50-foot XLR cable for speakers https://www.sweetwater.com/store/detail/XLR50Quad--pro-co-aqn-50-ameriquad-microphone-cable-50-foot	$60	2	$120
Universal Audio Apollo Twin MKII SOLO 2x6 Thunderbolt Audio Interface with UAD DSP https://www.sweetwater.com/store/detail/ApolloTSmkII--universal-audio-apollo-twin-mkii-solo-2x6-thunderbolt-audio-interface-with-uad-dsp	$700	1	$700
Solid State Logic VHD Microphone Preamp https://www.sweetwater.com/store/detail/VHDPre--solid-state-logic-vhd-microphone-preamp	$700	1	$700
Solid State Logic XRack E Series Dynamics Module https://www.sweetwater.com/store/detail/XRackEDyn--solid-state-logic-xrack-e-series-dynamics-module	$1,069	1	$1,069
Solid State Logic XRack E Series EQ https://www.sweetwater.com/store/detail/XRackEEQ--solid-state-logic-xrack-e-series-eq	$1,069	1	$1,069
API 6-Slot High-Current Lunchbox 500 Series Chassis https://daleproaudio.com/products/api-6-slot-high-current-lunchbox-500-series-chassis	$665	1	$665
Mogami Gold Studio-01 Superflexible Patch patch cable (1 ft) - version made with 2893 cable	$39	6	$234
TOTAL			**$5,787**

Software:

ITEM	Cost each	#	COST
Max/MSP/Jitter version 8 upgrade https://cycling74.com/special-pricing/	$111	20	$2,200
Ableton Live 10 upgrade https://help.ableton.com/hc/en-us/articles/206407004-Upgrade-pricing-	$199	20	$3980
TOTAL			**$6,180**

Addendum to the Conservatory of Music STF request for 2018

Concert Recording Equipment for the Tow PAC

**Description of Proposed Project: ***Excerpt from original proposal part 2

CONCERTS: We believe that it is vital to take our students beyond the classroom and give them opportunities to perform their music live onstage. However this requires production and amplification infrastructure. Whereas we do have some equipment now, it is clearly not enough and some of it is exhibiting declining functionality due to age. We also wish to stay abreast of changes in the industry, for instance by adding multichannel sound possibilities to our concert equipment.

Addendum:

Concert Recording

In the new Performing Arts Center (PAC) there are 5 performance spaces that require recording: The Buchwald Theatre, The Recital/Rehearsal Room (250), The Choral Room (367), The Lobby, and The Recording studio. During the Fall semester 2018 the Conservatory presented approximately 50 concerts in all of these spaces except the Recording Studio. Additionally, there have been 10 requests from faculty and students for individual/private recording sessions. In the planning of this new building it was not possible or not considered that so many events would occur in the PAC and in different places. The students are energized to be in this facility and we want to support that.

How will this request have an impact on student learning or student life?

Every Conservatory concert and many student recitals are recorded. Every student in the Opera program, Jazz program, Orchestra, Wind ensemble, Chorus, Percussion ensemble, Brass ensemble, Chamber Music ensemble, Composition program, Sonic Arts program require recording for several reasons:

-to apply for professional employment
-to document individual development over the time spent at Brooklyn College
-to apply to addition educational institutions
-to apply for grants, fellowships or internships
-to give to family members (who may or may not have attended the concert)

Recordings are the definitive descriptions of any musician, other than live performance, and all of the Conservatory students rely on the recordings made during concerts and recording sessions.

What are the objectives of this project?

To go beyond what was planned for the new PAC and to facilitate recording in any of the spaces where concerts have already occurred and will occur again.
To have eight (8) permanently hung microphones in the Buchwald Theatre; also to facilitate recording in the Buchwald Theatre, Recital hall (250), Choral room (367) and Lobby.

Please describe how many students will be served each term through the funding of this project, and through what means.

This will serve all Conservatory of Music students in multiple events. E.g. students typically perform in several different ensembles during a semester: opera and chamber music, orchestra and opera, jazz and percussion etc. Recordings are made available at no additional cost to all Conservatory students, Core students, and alumni. 300-400 per semester.

How will projected outcomes be assessed?

Outcomes are based upon requests for recording through the concert office and the office of the Chief Recording Engineer. The recordings are available for download in the smart classroom/lab in 116 Roosevelt Extension or are processed through the offices mentioned. Often the recording are sent to the recipient electronically.

If funding is requested for a lab, other public access facility or other physical facility:
  a. **How many hours per week the lab will be open:** PAC performing spaces are opened as needed for concerts or recording from 7 am-11 pm weekdays.
  b. **Who will supervise the facility and how will that be funded ongoing:** Oversight of all concert recording and session recording is the Chief Recording Engineer: George Brunner
  c. **What physical space will be used to host the facility, and who has authorized its use?** PAC 250, 367, Lobby, Buchwald Theatre, and the Recording Studio
  d. **If any renovations or furnishings will be required to support the project, how will they be funded?**
     No

Are any of the items in your proposal available from only one source?
No.

Indicate if this project was approved in the prior STF year pending funding availability and was not yet funded.
It was not.

Equipment and cost: All Items $18,972
Breakdown:

API Discrete Mic/Lin/Instrument
Pre amp with variable output level adjustment
$835 each x 4 $3340.

API Discrete Compressor
$921. X 4 $3648.

API Discrete 4 band Equalization
$1089 x 4 $4356.

API 6 slot portable rack w/ power supply
$595 x 2 $1190

                                            Total $12,543

K&M professional mic stand w/ boom
$60 x 4 $240

Shure Headset mic w/XLR cable
$139 $139.

Starbird studio boom stand
$775 x 2 $1550.

                                            Total $1929.

MBHO MBNM 410 Stereo pair omni pattern Stereo pair
Choral/Orchestra 92-4100 Stereo pair
$906 x 4 $3624.

Mogami Gold Studio-01 Superflexible patch
Version made with 2893 patch cable 01 FT
$22.50 x 10 $225.

Canare ECO25 F Black M-F XLR 25 ft.
$44.50 x 6 $267.

Canare ECO50FB- Blk M-F XLR 50 ft
$64. X 6 $384

                                            Total $4500.

Feirstein Post Classroom/Lab & Music Classroom/Lab computer upgrade

School:	School of Visual, Media and Performing Arts
Department/Office:	Feirstein Graduate School of Cinema
Applicant Name:	Kim, Jung-Hun
Additional Applicant(s):	
Primary Contact for Proposal	
Email Address:	jkim@brooklyn.cuny.edu
Phone:	718-237-3413
Estimated total cost:	$ 118,889.00

Description of Proposed Project:
This proposal is to upgrade two existing Mac labs (The Post-Production Lab and the Music Lab) at the Feirstein Graduate School of Cinema.

The Post-Production lab (with 15 MacPros) and the Music lab (with 15 iMacs) are the two largest computer teaching classrooms and computer labs for students. These once state of the art computer labs were funded through initial construction/capital budget when we opened the Feirstein Graduate School in Fall 2015.

Since most of our graduate Post-Production and Music Scoring/Sonic Arts classes meet in the Post lab & Music lab, the workstations have to support the latest applications including graphical intensive Avid Media Composer & Pro Tools, Adobe After effects & Premiere, and Blackmagic Davinci Resolve. Also, the labs are open 24/7 for students' class assignments and course works. Therefore, it is essential to have solid workstations running the most demanding applications without any hardware failures or software issues. This will also help students complete course projects & MFA thesis projects and give them a strong technical background and training, which will help them to successfully enter the work force.

However, now, both MacPro workstations and iMacs are 3 years old and their warranties have already expired. That means that when we get the STF funds to replace these workstations, they will be over 4 years old. These computers should be replaced with new workstations as part of the regular 3-4 year replacement cycle. Otherwise, they will be outdated and will not meet the demands of software minimum requirements. Moreover, there is no alternate computer classroom at Feirstein School when the above labs are not functioning.

Estimated cost for each classroom/Lab computer upgrade
The Post-Production Lab with 15 iMac Pros: $72,267
The Music Lab with 15 iMacs: $46,620

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
It will directly impact the learning experience of all MFA students at Feirstein Graduate School since this is a critical upgrade to their computer classrooms/labs. Also, It will directly impact on student life by maximizing their creative potential and productivity. Without the upgrades, the school cannot offer the curriculum for post-production and Music Scoring/Sonic Arts.

The main objective of this project is to increase the teaching effectiveness of the faculty at Feirstein Graduate School. Also, computer classroom/lab with current hardware/software will provide students more collaborative, interactive, and engaging learning environments.

Moreover, keeping our program's resources current is critical to the success of our film school and our students. It will also attract and retain interested students looking for a graduate film program that can offer the same advanced tools used by most industry professionals.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

168 (24/7)

b.   Who will supervise the facility and how will that be funded ongoing:

Existing Feirstein full time staff will supervise the individual classroom/lab

Pontus Gunve, Post Production Manager, will supervise the Post Classroom/Lab.

Angela Piva, Music Studio Manager, will supervise the Music Classroom/Lab.

c.   What physical space will be used to host the facility, and who has authorized its use:

Existing Post classroom/Lab and the Music Classroom/Lab at Feirstein Graduate School of Cinema. 25 Washington Ave.

All Feirstein MFA & MA students have access and authorized to use the labs.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

No renovation or furnishing will be required.

Please describe how many students will be served each term through the funding of this project, and through what means:

All students at Feirstein Graduate School (about 260 students this year) will be served each term through the funding of this project.There are six post-production classes meeting in the Post lab and another six music classes meeting in the music lab each semester. That means over 150 MFA students take the classes meeting in the Post-Production lab or Music lab. Also, over 260 MFA & MA students are utilizing both labs when there is no class.

How will projected outcomes be assessed?

Short-term outcomes will be assessed differently in each class using criteria appropriate for the class. Also, standalone Music/Sonic Thesis projects and MFA thesis films will be assessed during the Thesis screening when they will be reviewed by the entire faculty. In the long run, it will improve the quality of student learning and will contribute to increased student achievement and higher quality of the student projects. Therefore, long-term outcomes will be assessed through increased quality of the student projects and increased student achievement. These higher-quality projects will subsequently serve them well at film festivals and when they seek employment in the media industry.

Apple Inc. Education Price Quote

Customer:
Jay Kim
CUNY–BROOKLYN COLLEGE A/P
DEPT–BOYLAN RM 1424
Phone: 718–237–3410
email: JKim@brooklyn.cuny.edu

Apple Inc:
Dave Koffskey
5505 W Parmer Lane
Bldg 7
Austin, TX 78727–6524
Phone: +1–512–6746871
email: koffskey@apple.com

Apple Quote: 2205222598

Quote Date: Wednesday, December 19, 2018

Quote Valid Until: Friday, December 21, 2018

Quote Comments:
Please reference Apple Quote number on your Purchase Order.

#	Product Description	Qty	Unit List Price	Discount per Unit	Unit Discounted Price	Extended Discounted Price
1	**27-inch iMac Pro with Retina 5K display** Part Number Z0UR **Configuration:** • 065–C61N 3.2GHz 8-core Intel Xeon W processor, Turbo Boost up to 4.2GHz • 065–C64Q 32GB 2666MHz DDR4 ECC memory • 065–C6HT 1TB SSD • 065–C61P Radeon Pro Vega 56 with 8GB of HBM2 memory • 065–C623 Magic Mouse 2 – Space Grey • 065–C61H Pro Apps Bundle for Education • 065–C627 English Magic Keyboard with Numeric Keypad with English Print – Space Grey	15	$4,798.99	$100.00	$4,698.99	$70,484.85
2	**AppleCare+ for iMac** Part Number S6126LL/A	15	$119.00	$0.00	$119.00	$1,785.00

Extended EDU List Price Total	**$73,769.85**
Total Discount	$1,500.00
Extended Discounted Price Subtotal	$72,269.85
– Additional Tax	$0.00
– Estimated Tax	$0.00
Extended Discounted Total Price*	**$72,269.85**

*In most cases Extended discounted Total price does not include Sales Tax
*If applicable, eWaste/Recycling Fees are included.
Standard shipping is complimentary

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  - For more information, go to provision C below, for details.

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SEA # 1862101
Opportunity ID:
https://ecommerce.apple.com
Fax:

Document rev 10.6.1   Date of last revision – June 20th, 2016

Apple Inc. Education Price Quote

Customer:

Jay Kim
CUNY–BROOKLYN COLLEGE A/P
DEPT–BOYLAN RM 1424
Phone: 718–237–3410
email: JKim@brooklyn.cuny.edu

Apple Inc:

Dave Koffskey
5505 W Parmer Lane
Bldg 7
Austin, TX 78727–6524
Phone: +1–512–6746871
email: koffskey@apple.com

Apple Quote: 2205222994

Quote Date: Tuesday, December 18, 2018

Quote Valid Until: Friday, December 21, 2018

Quote Comments:
Please reference Apple Quote number on your Purchase Order.

#	Product Description	Qty	Unit List Price	Discount per Unit	Unit Discounted Price	Extended Discounted Price
1	**27-inch iMac with Retina 5K display** Part Number Z0TR **Configuration:** • 065–C55H 4.2GHz Quad-core Intel Core i7, Turbo Boost up to 4.5GHz • 065–C561 32GB 2400MHz DDR4 SDRAM – 4x8GB • 065–C564 2TB Fusion Drive • 065–C55M Radeon Pro 580 with 8GB video memory • 065–C50H Apple Magic Mouse 2 • 065–C61H Pro Apps Bundle for Education • 065–C5PD Magic Keyboard with numeric keypad (English) / User's Guide (English)	15	$3,048.99	$60.00	$2,988.99	$44,834.85
2	**AppleCare+ for iMac** Part Number S6126LL/A	15	$119.00	$0.00	$119.00	$1,785.00

Extended EDU List Price Total	**$47,519.85**
Total Discount	$900.00
Extended Discounted Price Subtotal	$46,619.85
– Additional Tax	$0.00
– Estimated Tax	$0.00
Extended Discounted Total Price*	**$46,619.85**

*In most cases Extended discounted Total price does not include Sales Tax
*If applicable, eWaste/Recycling Fees are included.
Standard shipping is complimentary

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F. UNLESS SPECIFIED ABOVE, APPLE'S STANDARD SHIPPING IS INCLUDED IN THE TOTAL PRICE.

SEA # 1862101
Opportunity ID:
https://ecommerce.apple.com
Fax:

Document rev 10.6.1   Date of last revision – June 20th, 2016

STF proposal 2019-2020 Performance and Interactive Media Arts MFA Program

School:	School of Visual, Media and Performing Arts
Department/Office:	Performance and Interactive Media Arts
Applicant Name:	Krauss, Briggan
Additional Applicant(s):	Richardson, Helen
	Grubbs, David

Primary Contact for Proposal

Email Address:	briggankrauss@gmail.com
Phone:	3472673721
Estimated total cost:	$ 10,866.00

Description of Proposed Project:

This year we seek to primarily accommodate a growing need for projectors and lighting as well as to expand our audio equipment and to acquire needed organizational improvements to our technology storage spaces.

Audio: We have a growing need for powered speakers to use in multi-channel audio performances and installations both on and off campus.

Video: We seek to add two different projectors to our inventory. First we seek to acquire pocket-sized wireless pico-projectors for use in performance and installations. We also seek to acquire high-power, high-definition projectors that are especially crucial for the growing demand for projection mapping applications.

Lighting: We seek to add some floor mounted LED lights to our small inventory of stand mounted light bars that are all controllable by USB for classroom applications and for performance.

Storage: We seek to get some more storage bins and boxes to help us neatly organize cables and other technology accessories in our main storage area in 126-C NE.

Miscellaneous: We are also seeking to add more power strips, extension cords, HDMI cables, and a dry erase board to our inventory.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?

The result of successful acquisition of this equipment will have a direct twofold impact on student learning. The primary impact will be to give students additional access to various new video projection and audio technologies previously available in a very limited fashion. The secondary impact will be to improve student's experience at large by improving the equipment in our spaces and also properly maintaining our inventory of cables, adapters and other everyday technical necessities.

The objectives of this STF request are to:
Upgrade and expand components of the PIMA M.F.A.'s performance equipment. The PIMA M.F.A. produces more off-campus events than any other program, department, or entity at the college, and the demand for various audio and video capability is ever growing.
2) Provide additional technologies to expand student work and professional preparation, such as allowing for multi channel audio setups and multi-projector setups for the growing applications of projection mapping and surround sound.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

N/A

b.   Who will supervise the facility and how will that be funded ongoing:

c.   What physical space will be used to host the facility, and who has authorized its use:

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

Please describe how many students will be served each term through the funding of this project, and

through what means:
Enrolment in the PIMA M.F.A. program fluctuates from around 12 to 16. There are 12 students currently in the PIMA M.F.A., plus we often have several students from outside the program (from other programs at Brooklyn College and throughout the CUNY system at large) taking PIMA courses; perhaps an additional 5 per semester; currently a total of 25 students +/- per year.

How will projected outcomes be assessed?
PIMA has a detailed outcomes assessment framework (it was the first program with fully-implemented OA at the College), and specific requirements of student work are clearly articulated course-by-course.
Students in the PIMA courses present their performance works primarily in off-campus venues which have included such well known venues as St. Mark's Church, Galapagos, the Clemente Soto Velez Cultural Center, and the Bushwick Starr, as well as many lesser-known venues throughout the five boroughs of New York City. In the first semester course PIMA 7010 Performances are presented in the New Workshop Theater in Whitman Hall in December.
Students' learning is evaluated through these presentations: In addition to the artistic merit of their productions, they are assessed in the areas of:
* Technical and logistical planning for technology-rich performances, including equipment "pick lists," technical diagrams, division of personnel responsibilities, and research into the capabilities and limitations of each venue.
* Safe and careful transportation, setup, use, and breakdown of equipment, from the storeroom/lab, through system setup and testing, packing, transport, load-in, set-up, on-site testing and rehearsal, performance, strike, load-out, and return transport, and storage/re-setting of labs.
* Development of technological contingency plans to allow for failure of system components, unexpected conditions in a venue, and inevitable uncertainties caused by field technical setups.
* Abilities developed through practical production work to "think on their feet" with regard to quick changes in software and/or hardware configurations necessitated by last minute changes and/or unexpected situations in the field.

PIMA

Briggan Krauss
College Assistant PIMA M.F.A.
2900 Bedford Ave.
Brooklyn, NY 11210
347 267-3721

Qty	Item	Description/Notes		URL	Unit Price	Line Total
4.00	BenQ MW632ST 3200-Lumen WXGA Short-Throw DLP Projector.	3200 Lumens	WXGA (1280 x 800) Native Resolution	https://www.bhphotovideo.com/c/product/1166438-REG/benq_mw632st_wxga_projector_3200_ansi.html	579.99	2,319.96
3.00	BenQ MH733 4000-Lumen Full HD DLP Projector.	HD projector for projection mapping 4000 lumens Full HD (1920 x 1080)		https://www.bhphotovideo.com/c/product/1368371-REG/benq_mh733_1080p_4000_lumen_projector.html	799.00	2,397.00
2.00	Vivitek Qumi Q6 800-Lumen WXGA DLP Pico Projector.	800 Lumens WXGA 1280 x 800 Native Resolution		https://www.bhphotovideo.com/c/product/1260756-REG/vivitek_q6_gy_qumi_q6_hd_pocket.html?sts=pi	599.00	1,198.00
4.00	Pyle Pro PRJAND820 300-Lumen FWVGA Smart LED Pico Projector	300 Lumens FWVGA 854 x 480 Native Resolution Built-In Wi-Fi and Bluetooth		https://www.bhphotovideo.com/c/product/1147134-REG/pyle_pro_prjand820_smart_mini_pocket.html	299.00	1,196.00
2.00	JBL EON Powered 15" Two-Way System with PA Speaker Pro Kit	each kit has two speakers and stands with cases and covers		https://www.bhphotovideo.com/c/product/1111445-REG/jbl_powrd_15_two_way_system.html	879.99	1,758.00
2.00	Four American DJ Mega Bar 50 RGB Lights Kit	each kit has four light bars with cases and cables		https://www.bhphotovideo.com/c/product/1206660-REG/american_dj_mega_bar_50_rgb.html	419.00	838.00
10.00	25' NTW High Speed HDMI Cable			https://www.bhphotovideo.com/c/product/882011-REG/NTW_nhdmi4_025_28_High_Speed_HDMI_Cable.html	12.99	129.90
10.00	10' NTW High Speed HDMI Cable			https://www.bhphotovideo.com/c/product/882005-REG/NTW_nhdmi4_010_28_High_Speed_HDMI_Cable.html	5.99	59.90
3.00	Thunderbot to Thundrbolt for blackmagic 3 of them			https://www.bhphotovideo.com/c/product/1139474-REG/apple_md862ll_a_thunderbolt_cable_1_6.html	29.00	87.00

3.00	Thunderbolt 3 to Thunderbolt 2 Adapter			https://www.bhphotovideo.com/c/product/1294286-REG/apple_mmel2am_a_thunderbolt_3_to_thunderbolt.html	49.00	147.00
4.00	Large Clear Storage Bins. 17 1/2 x 16 1/2 x 12 1/2" Quantity: 2 per carton 1 carton $20.15	For organizing cables (VGA, Instrument, XLR, HDMI) power strips, other equipment		https://www.uline.com/Product/Detail/S-17888/Plastic-Bins/Giant-Plastic-Stackable-Bins-Clear-17-1-2-x-16-1-2-x-12-1-2	20.15	84.60
3.00	Large Clear Storage Boxes.4 per carton	for cables (VGA, Instrument, XLR, HDMI)		https://www.uline.com/Product/Detail/S-14601/Sterilite-Storage-Boxes/Clear-Storage-Boxes-33-x-20-x-14	104.00	312.00
1.00	27" X 40" Dry Erase Easel			https://www.uline.com/Product/Detail/H-1840/Boards-Easels/Standard-Melamine-Dry-Erase-Board-6-x-4	125.00	125.00
1.00	Dry Eraser Board Markers Assortment Pack			https://www.uline.com/Product/Detail/H-2759/Erasable-Markers/Dry-Erase-Markers-Assortment-Pack	8.00	8.00
1.00	Dry Eraser Board Eraser			https://www.uline.com/Product/Detail/H-1458/Boards-Easels/Dry-Erase-Board-Eraser	3.50	3.50
1.00	Dry Eraser Board Cleaner 8oz.			https://www.uline.com/Product/Detail/S-16224/Boards-Easels/Dry-Erase-Board-Cleaner-8-oz-Spray-Bottle	4.55	4.55
2.00	50 pack Hosa Hook and Loop Cable Ties			https://www.bhphotovideo.com/c/product/1317233-REG/hosa_technology_wti_508_0_5_x_8_cable.html	11.95	23.90
6.00	12' Power Strip 6 outlet			https://www.bhphotovideo.com/c/product/936928-REG/belkin_f9d160_12_prostrip_6_outlets.html	14.01	84.06
6.00	25' Extension Cord			https://www.bhphotovideo.com/c/product/1355108-REG/watson_ace16_25bu_ac_extension_cord_16.html	14.95	89.70
					Subtotal	$ 10,866.07
					Sales Tax	
					Total	$ 10,866.07

Authorized by   *Date*

Mobile Digital Design Presentation Stations (Two Stations)

School:	School of Visual, Media and Performing Arts
Department/Office:	Theater
Applicant Name:	Marsh, Victor
Additional Applicant(s):	REDMAN, MICHAEL
	Snider-Stein, Teresa
Primary Contact for Proposal	
Email Address:	kmarsh@brooklyn.cuny.edu
Phone:	718-951-5666
Estimated total cost:	$ 6,256.00

Description of Proposed Project:

We are applying to the STF for two mobile digital design presentation stations for our design and technology students. The ability for students to present their work digitally has become the standard for performing arts designers and technicians, allowing 3D rendered models of scenic designs, digital artwork of costumes or lighting effects, ground-plans, and other interactive digital work to be presented in large scale. Students will use this station both for class projects as well as presenting their ideas for student thesis and mainstage productions, integrating this technology into the theatre making process. Unlike a traditional AV cart, this station will feature dual monitors to allow both SKYPE/HANGOUTS interaction and presentation at the same time, wireless video options to CAST presentations from multiple sources, inputs for mobile devices and tablets, as well as local scanning and printing to aide in sharing information. As many rooms in the new PAC do not have Smart Systems/projectors, the presentation station can be utilized in meeting spaces that do not otherwise have AV support and rely on bulk printing of materials to share designs. The station would be housed in the lower level of the PAC and can be checked out/requested by students for use in classes or official design meetings with collaborators.

ITEM 1 - Dual TV Stand, Fits (2) 40"-60" Screens Side by Side, Height Adjustable Mount - Black <Quantity 2> COST - $1306.00

https://www.displays2go.com/P-27797/Dual-Screen-TV-Stand-Wheels-Adjustable-Mount?st=Category&sid=26864

ITEM 2 - AV Cabinet, Fits EM TV Stand Series, Vented, Locking - Black <Quantity 2> COST - $406.00
https://www.displays2go.com/P-36170/AV-Cabinet-Lock-EM-TV-Stand-Series

ITEM 3 - Samsung NU7100 Series 43"-Class HDR UHD Smart LED TV <Quantity 4> COST - $1992.00
https://www.bhphotovideo.com/c/product/1395976-REG/samsung_un43nu7100fxza_nu7100_series_43_4k.html

ITEM 4 - AAXA Technologies P300 Neo Android 400-Lumen HD Pico Projector with Wi-Fi <Quantity 2> COST - $588.00
https://www.bhphotovideo.com/c/product/1427103-REG/aaxa_technologies_kp_602_03_p300_neo_android_pico.html

ITEM 5 - Google Chromecast Ultra (Black) <Quantity 4> COST - $236.00
https://www.bhphotovideo.com/c/product/1278867-REG/google_ga3a00403a14_chromecast_ultra.html

ITEM 6 - Apple Mac mini (Late 2018) <Quantity 2> COST - $1448.00
https://www.bhphotovideo.com/c/product/1441840-REG/apple_mrtr2ll_a_mac_mini_late_2018.html

ITEM 7 - Logitech C920 HD Pro Webcam <Quantity 2> COST - $100.00
https://www.bhphotovideo.com/c/product/1447081-REG/logitech_960_000764_c920_hd_pro_webcam.html

ITEM 8 - IOGEAR Thunderbolt 3 Male to Dual 4K HDMI Adapter Female <Quantity 2> COST - $180.00
https://www.bhphotovideo.com/c/product/1381865-REG/iogear_gtc3dhd_thunderbolt_3_to_dual.html

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The ability to clearly and effectively communicate design work is an absolutely crucial skill for student designers and technicians to master. In the modern theatre-design landscape, developing a fluency with all forms of digital presentation are key, allowing the clear rendering of ideas and concepts to a group of collaborators, directors, and potential employers. In the classroom setting, this station will allow other new technologies (such as the GRAND MA lighting console for instance) to be used to their fullest, allowing full sequences to be previewed in a 3D render across both monitors. For production designs, students will be able to present large format imagery and models to fellow students and directors/staff, modeling the interactions they'll engage in during their careers to follow. The dual monitor will also allow students to better communicate with outside professionals that often SKYPE/HANGOUT into early meetings, maximizing their interaction and takeaway with these individuals.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

Campus Hou

b.   Who will supervise the facility and how will that be funded ongoing:

Design faculty and department CLTs and Graduate Assistants trained to use and maintain the equipment

c.   What physical space will be used to host the facility, and who has authorized its use:

The system will be stored in the lower level of the Tow PAC, but will be used in multiple class and meeting spaces, as well as on the Buckwald stage. In all locations, it will be used by BFA and MFA D

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

None

Please describe how many students will be served each term through the funding of this project, and through what means:
The mobile digital design station will indirectly serve every student in the department of theatre as it will be integrated into many department production processes, allowing our performers, directors, and designers to experience the process and product this technology will assist in creating. The department is approximately 200 majors and minors who annually participate in our production season. The design presentation station will allow student creative teams the freedom to be bold and nimble as they create, allowing immediate visualization in 3D encouraging explorations and revisions in real time.Directly, the design presentation station will benefit the education of our MFA and BFA design students as well as our MFA directing students. These majors are approximately 40 to 45 students at any given time. It is expected by industry professionals that our design students moving forward be adept in sharing their work digitally. This design station will help build these necessary and employable skills that are currently unsupported by our technology and new facility.

How will projected outcomes be assessed?
The success of the mobile digital design presentation station will be assessed by the increased proficiency and integration of digital design presentation elements into student work in the classroom and in realized department productions. Furthermore, the burden and cost of both on-campus and outside printing as the primary means of presenting these designs will be considerable. This system will also make setting up ad hoc/temporary projections systems for presentations by department CLTs for classroom and production use unnecessary as students will be able to check-out and use this system without support (other than holding room access). For outgoing students, the success of this investment in technology can be assessed by their increased employability as designers and design assistants for Broadway, Off-BRoadway and corporate production designers.

<div align="center">Student Technology Fee Proposal #2019-223</div>

<div align="center">**Wacom Drawing Tablets and Accessories**</div>

School:	School of Visual, Media and Performing Arts
Department/Office:	Theater
Applicant Name:	Marsh, Victor
Additional Applicant(s):	REDMAN, MICHAEL Snider-Stein, Teresa
Primary Contact for Proposal	
Email Address:	kmarsh@brooklyn.cuny.edu
Phone:	718-951-5666
Estimated total cost:	$ 14,100.00

Description of Proposed Project:

We are applying for funds to purchase a set of Wacom Drawing Tablets and their accessories for our design and technology students. Digital pen input surfaces for photoshop and other drawing/drafting platforms is quickly becoming a standard tool for designers and artists, allowing hybrid creations of hand drawn and computer generated elements. Leading the way in this market is WACOM, offering several styles and helpful accessories to allow students to start drawing digitally. We'll additionally be purchasing a large format, high resolution scanner to allow students to scan physical drawings into their software to continue and augment their work digitally using the WACOM surfaces. Unlike an iPad or other stand-alone pen-input tablet, the WACOM technology is designed to work with existing MAC or PCs and their full-version software packages (Adobe, AutoCad, Vectorworks, etc). We would not require the computers, just these new input devices. The request also includes a mobile cabinet, so these tablets can move safely between the MFA design studio in 407 Whitehead to other spaces for classes.

ITEM 1 - Wacom Cintiq Pro 24 Creative Pen Display <Quantity - 5> COST - $10,000.00
https://www.bhphotovideo.com/c/product/1388043-REG/wacom_dtk2420k0_cintiq_pro_24_pen.html

ITEM 2 - Wacom Ergo Stand for Wacom Cintiq Pro 24 <Quantity - 5> COST - $2,500.00
https://www.bhphotovideo.com/c/product/1402387-REG/wacom_ack62801_cintiq_pro_ergo_desk.html/pageID/accessory

ITEM 3 - Wacom Ergo Flex for Cintiq Pro 24 and 32 <Quantity - 2> COST - $760.00
https://www.bhphotovideo.com/c/product/1435346-REG/wacom_ack62803k_flex_arm_for_cintiq.html

ITEM 4 - Wacom Pro Pen 3D <Quantity - 2> COST - $150.00
https://www.bhphotovideo.com/c/product/1374817-REG/wacom_kp505_pro_pen_3d.html

ITEM 5 - Plustek OpticPro A320L Tabloid Flatbed Scanner <Quantity - 1> COST - $482.99

ITEM 6 - Luxor Adjustable Height Steel A/V Cart With Cabinet <Quantity - 1> COST - $165.99
https://www.bhphotovideo.com/c/product/184981-REG/Luxor_AVJ42C_42_High_Gloss_Adjustable_Height.html

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?

Pen/Tablet inputs for drawing, drafting, and digital art are quickly becoming an essential tool for student designers and artists in our program. From costume designers creating renderings of garments using advanced textures and effects, to scenic and lighting designers augmenting their work with modeled lighting and fog effects, the possibilities are endless. At present, the Theatre program has no Pen-input peripherals for student use. Some students are starting to bring their own iPad/tablets in with great results, but this creates a disparity between those students that can afford this technology and those that cannot. The impact of the WACOM tablets will be to expand this emerging technology to all Theatre design and technology students regardless of these factors for both in-class work and production related designs.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

Campus Hou

b. Who will supervise the facility and how will that be funded ongoing:

Department CLTs and Graduate Assistants, Theatre Design Faculty

c. What physical space will be used to host the facility, and who has authorized its use:

The system will split time between the Costume Design Classroom (Fall) and in the MFA design studio in Whitehead 407(Spring).

d. If any renovations or furnishings will be required to support the project, how will they be funded?

None

Please describe how many students will be served each term through the funding of this project, and through what means:

The WACOM drawing tablets will indirectly serve every student in the department of theatre as it will be integrated into many department production design processes, allowing our performers, directors, and designers to experience the process and product of this system. The department is approximately 200 majors and minors who annually participate in our production season. The WACOM drawing tablets will allow student creative teams the freedom to be bold and create with the technology, pushing the traditional process of sketching and exploration to new heights. Directly, the WACOM drawing tablets will benefit the education of our MFA and BFA design students as well as our MFA directing students. These majors are approximately 40 to 45 students at any given time. It is expected by industry professionals that our design students be versed in all methods of creative technology and able to create impressive computer generated content. These tablets will help build these necessary and employable skills that are currently unsupported by our technology.

How will projected outcomes be assessed?

The success of the WACOM drawing tablets will be assessed by the increased proficiency and integration of digital drawings/renderings and other content into student work in the classroom and in realized department productions. Additionally, these units will provide students unable to afford their own iPad or similar device the ability and experience in working with and mastering these techniques. For outgoing students, the success of this investment in technology can be assessed by the effectiveness of their portfolio presentations beside similar students at other universities in our combined showcases here in NYC.

Upgrade of 25 iMacs for WEB Film Department Computer Lab (Undergraduate)

School:	School of Visual, Media and Performing Arts
Department/Office:	Film
Applicant Name:	Spivey, Kelly
Additional Applicant(s):	Juhasz, Alexandra KENNY, JUDITH
Primary Contact for Proposal	
Email Address:	kelly.spivey10@brooklyn.cuny.edu
Phone:	718-951-5664
Estimated total cost:	$ 78,750.00

Description of Proposed Project:
This is a revolving computer lab upgrade for current 5-year old computers in one lab: WEB 237. This request is for 20 iMac 27" computers and 5 iMac Pro computers.

The Film Department houses 2 computer labs: WEB 239 and WEB 237. Lab 239 is used primarily as a classroom and lab 237 is used as an open lab and workshop space for teaching software. The computers housed in these labs are iMac 27", late 2013 models. Currently Lab 237 iMacs have 3.2 Ghz Intel Core i5 processors, and 1024 MB graphics. Lab 239 iMacs have 3.5 Ghz Intel Core i7 processors and 4096 MB graphics. Each lab houses 25 iMacs and the computers in lab 237 have not been able to process 4K video specific workflows, creating problems for students.

Not only are the computers now 5 years old, they are becoming outdated in terms of keeping up with the necessary hardware requirements for post-production software and our incoming AVID Nexis Server.

In order for students to finish film editing assignment, write their screenplays and create film production spreadsheets, students need at least one computer lab to be upgraded to new iMacs. We have determined that having at least 5 iMac Pros in the lab will ensure that thesis students can transfer, edit and color grade their 4k film workflows. There are 50 to 60 thesis student each semester that will share the 5 iMac Pros, along with 20 of the new regular 27" iMac.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The objective of this project is to ensure that film students have the latest, most up to date technology that is affordable in order to learn how to edit and complete films. As our digital film equipment and post-production software handle 4K workflows, our editing lab needs to keep pace as well.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

64

b. Who will supervise the facility and how will that be funded ongoing:

Kelly Spivey, (Senior CLT ? Film Department) is the Technology Manager of the Film Department and as part of her position she manages these labs. This position is funded on an annual appointment through CUNY. In addition, Frank Angel, a Chief CLT is working in the Film Dept. to keep the labs open in to the evening hours, and supervises the labs in the evenings.

c. What physical space will be used to host the facility, and who has authorized its use:

WEB 237 physically house the computers as authorized by the Film Department Chair, Alex Juhasz with the Technology Manager, Kelly Spivey.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

None.

Please describe how many students will be served each term through the funding of this project, and through what means:

Each term approximately 250 Film Department students enrolled in classes will access this lab. Out of 250 students, 50 to 60 students each semester are completing a thesis film to graduate. Many of these projects require iMac Pros. All enrolled film students have open access to the lab.

How will projected outcomes be assessed?

If the lab computers are able to support advanced workflows, software compatibility and connectivity to our Avid Media Server, this lab upgrade will be a success. About 250 students will continue to be able to complete their films.

Apple Store for Education Institution

Proposal 2103507813

Proposer: Anil Lilly

Thank you for your proposal dated 11/14/2018. The details we've provided below are based on the terms assigned to account 789045, BROOKLYN COLLEGE-CHIEF INFO OFFICER.

To access this proposal online, please search by referencing proposal number 2103507813.

Comments from Proposer:
Per Kelly Spivey/Film

Part Number	Description	Total Quantity	Unit Price	Total Price
Z0TR	27-inch iMac with Retina 5K display	20	2,639.00	**52,780.00 USD**
	3.8GHz quad-core Intel Core i5, Turbo Boost up to 4.2GHz			
	32GB 2400MHz DDR4 SDRAM - 4x8GB			
	2TB Fusion Drive			
	Radeon Pro 580 with 8GB video memory			
	Wired Apple Mouse (Must be ordered with Wired Keyboard)			
	Wired Keyboard with numeric keypad (English) / User's Guide (English) (Must be ordered with Wired Mo			
S6126LL/A	AppleCare+ for iMac	20	119.00	**2,380.00 USD**
MQ2Y2LL/A	27-inch iMac Pro with Retina 5K display: 3.2GHz 8-core Intel	5	4,599.00	**22,995.00 USD**
	3.2GHz 8-core Intel Xeon W processor, Turbo Boost up to 4.2GHz			
	32GB 2666MHz DDR4 ECC memory			
	1TB SSD			
	Radeon Pro Vega 56 with 8GB of HBM2 memory			
	Magic Mouse 2 - Space Grey			
	English Magic Keyboard with Numeric Keypad with English Print - Space Grey			
S6126LL/A	AppleCare+ for iMac	5	119.00	**595.00 USD**

Subtotal		78,750.00 USD
Estimated Tax		0.00 USD
Total		78,750.00 USD

Please note that your order subtotal does not include Sales tax or rebates. Sales tax and rebates, if applicable, will be added when your order is processed.

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The prices and specifications above correspond to those valid at the time the proposal was created and are subject to change.

<p style="text-align: center;">Student Technology Fee Proposal #2019-208</p>

Projector and Fixed Wall Mounted 16:9 screen for WEB 230 Extra-large classroom

School:	School of Visual, Media and Performing Arts
Department/Office:	Film
Applicant Name:	Spivey, Kelly
Additional Applicant(s):	Juhasz, Alexandra KENNY, JUDITH
Primary Contact for Proposal	
Email Address:	kelly.spivey10@brooklyn.cuny.edu
Phone:	718-951-5664
Estimated total cost:	$ 2,978.00

Description of Proposed Project:
The classroom in 230 WEB is a multipurpose classroom which houses courses as varied as Introduction to Film Production, Advanced Cinematography, Documentary Filmmaking and Screenwriting. The SMART Podium has been a huge help as a teaching tool and is used every day, sometimes for over 12 hours during back to back classes. The outdated 2011 projection system is now in need of replacement. Because this room is oversized, it requires a higher resolution projector than the standard ITS smart podium systems. The current fixed screen is an outdated 4:3 ratio and as part of this upgrade, we need to purchase a larger 13.33' 16:10 screen to ensure students can read text projected. The current system is very hard to read and the dynamic range of the projector is not sufficient.

We would like to purchase the following 2K Laser Projector and Grandview Screen:

SONY Laser Projector: VPL-PHZ10 5000 lumens
$2,150.00
&
GrandView LF-PP189WWB5B Ultimate 100 x 160" (13.33') Fixed Frame Projection Screen
B&H # ELAR150WH2 MFR # AR150WH2
$828.14

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
Film Lighting is taught in this room (WEB 230) as part of Cinematography and Advanced Cinematography courses as it is a large room and provides space needed to demonstrate many scenarios. As part of learning, the footage is played back on the Smart Podium projector in class. The students in this classroom are not able to see films played back clearly as the projector currently being used is no longer projecting a full spectrum, making the image too dark. Professors have been requesting a new projector for the last two semesters, so that they can analyze student's lighting on films with a projection system that more accurately portrays lights and darks. All courses taught in this room use the Smart Podium and they too will benefit from a new, clear, higher resolution projection system.

The objective is to promote a better learning environment and to increase student's understanding of what lighting should look like. Another objective it to ceiling mount the projector, freeing up the room where the current projector is housed. The laser projector is a newer technology that does not use bulbs. This will save money over time and will also be much more reliable. Class time is lost when a bulb goes out during class, and this will no longer happen with a laser projector. The bulbs for the current projector are no longer easily available from the original manufacturer, thus decreasing image quality as we are using off-market bulbs which are expensive.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

N/A

b.   Who will supervise the facility and how will that be funded ongoing:

N/A

c. What physical space will be used to host the facility, and who has authorized its use:

N/A

d. If any renovations or furnishings will be required to support the project, how will they be funded?

N/A

Please describe how many students will be served each term through the funding of this project, and through what means:

Students will be served during any class that meets in WEB 230. Classes meeting in this room total approximately 250 - 275 per semester. The class is used 12 times per week this semester, for classes that run almost 4 hours long, some days there are back to back classes 3 times per day.

How will projected outcomes be assessed?

We can determine the success of this upgrade by student's ability to clearly see a broad spectrum of light in film scenes and also the ability to read projected power points and other documents. This will result in better lit scenes and final films.

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Terms:

SKU#	Item	Qty	Price	Total
SOVPLPHZ10	SONY VPL-PHZ10 4500LM CB WUXGA BI PROJ	1	2,150.00	2,150.00
Mfg Item#: VPL-PHZ10				

Sub Total: 2150.00
Shipping: .00
Tax: .00
Quote Total: 2150.00

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Developing Pre-Service Teachers' Technological Skills

School: School of Education

Department/Office: Education, School of

Applicant Name: Tucker, Jorge

Additional Applicant(s):

Primary Contact for Proposal

    Email Address: jtucker@brooklyn.cuny.edu

    Phone: 718-951-3886

Estimated total cost: $ 7,500.00

Description of Proposed Project:

Integrating technology in classroom instruction is an essential skill for pre-service teachers. It's usage influences the teaching and learning process. If beginning teachers are to improve their students' academic performance and become tech-savvy, they must integrate technology if they are to prepare 21st century learners for the global economy.

(NETS-S;ISTE, 2007) now emphasize technology as a tool for research, communication, collaboration, problem solving, and decision-making, which are essential citizenship skills. The standards identify six core components:
1) Creativity and Innovation
2) Communication and Collaboration
3) Research and Information Fluency
4) Critical Thinking, Problem-Solving, and Decision-Making
5) Digital Citizenship
6) Technology Operations and Concepts

The Schools of Education are often forgotten about when it comes to preparing teacher to use 21st-century skills effectively. The NYCDOE has successful certification partnerships in their #NYCSchoolsTech Certification Program, which is put in place to certify current NYCDOE teachers as effective users of educational technologies, such as Google. CUNY Schools of Education [SOE] such as Kingsborough's have already adopted models of student certification in Google, which is then turn keyed by these students to the Professors in order to build a sustainable model of educational technology adoption.

Brooklyn College can partner with the NYCDOE and allow for current pre-service students/ current student teachers to become trained through the #NYCSchoolsTech Certification Program with the idea that they will then turnkey this professional development training over to Professors. Ideally, these professors will implement some of this learning into their practice. The training could happen at Brooklyn College or perhaps at Google HQ after school hours at a GEG meet up.

I would like to start a practice workshop which will include of 10 to 15 students on the use of technology with the end goal being to have these students become a certified Google educator. In our proposal, we are asking for 10 Google Chrome books which can be used/borrowed by the students in order to complete our workshop. Workshop details are not fully ironed out in terms of the timespan it will take but we anticipate anywhere between 4 to 8 weeks where students meet once a week to participate.

We have narrowed down laptops that we will loan to students to the following three:
 1) Samsung Chromebook Plus -$500
https://www.samsung.com/us/computing/chromebooks/12-14/xe513c24-k01us-xe513c24-k01us/
2) HP - 2-in-1 12.3" Touch-Screen Chromebook -$600
https://www.bestbuy.com/site/hp-2-in-1-12-3-touch-screen-chromebook-intel-core-m-4gb-memory-32gb-emmc-flash-memory-hp-matte-finish-in-ceramic-white-and-oxford-blue/6240850.p?skuId=6240850&ref=212&loc=1&gclid=EAIaIQobChMIiIq8gOKI2wIVi8JkCh2HMAfhEAYYAiABEgKxFvD_BwE&gclsrc=aw.ds
3) Google - Pixelbook 12.3 - $750
https://www.bestbuy.com/site/google-pixelbook-12-3-touchscreen-chromebook-intel-core-i5-8gb-memory-128gb-solid-state-drive-silver/6131501.p?skuId=6131501&ref=186&loc=google_pixelbook_6121501

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
Becoming a Google Certified Educator will have a direct impact on the students in two ways. First, students will be able to successfully implement Google for Education into their teaching practice to enhance teaching and learning as well as implement a wider range of Google for Education tools and other technologies to transform their teaching practice. Secondly, with the use of this new technology students who are preparing to become teachers will be able to use these tools to facilitate meaningful learning experiences for their future students. The use of these new technologies in their classes will act as a model and influence pre-service educators' preparation for the 21st-century classroom.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

N/A

b.   Who will supervise the facility and how will that be funded ongoing:

N/A

c.   What physical space will be used to host the facility, and who has authorized its use:

N/A

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

N/A

Please describe how many students will be served each term through the funding of this project, and through what means:
Since this project is fairly new, we would like to start with 10 students per workshop. Depending on the length of the workshop, we can run it multiple times throughout the semester. The workshops will be open to any and all students who are education majors, both, undergraduate and graduate. However, we are mostly targeting undergraduates entering our program.

How will projected outcomes be assessed?
The projected outcome of this practice run will be assessed in two ways. First, students who participate in this workshop will be required to pass the Google Certified Educator exam. Secondly, students will be asked to present to the SOE Technology committee composed of faculty on how to successfully integrate a wider range of Google for Education tools and other technologies to transform their teaching practice. The Google Educator level 1 and level 2 certification act as checkpoints for participants technology knowledge on a very specific platform. I would like to find ways to expand this to not just focus on Google. Ideally, I would like to expand the Brooklyn College SOE student Google training committee to be one that is existent throughout the CUNY system and will train students on technology across multiple platforms.

Support for Speech Language Hearing Center Clinical Laboratory Education

School: School of Humanities and Social Sciences
Department/Office: Speech and Hearing Center
Applicant Name: Bergen, Michael
Additional Applicant(s):
**Primary Contact for
Proposal**
   Email Address: mbergen@brooklyn.cuny.edu
   Phone: 718-951-5186
Estimated total cost: $ 14,083.00

Description of Proposed Project:
This proposal will fund technology which will enhance education in clinical, classroom and labs in the undergraduate and graduate curriculum of speech-language pathology and audiology in the Department of Communication Sciences and Disorders. Awarded equipment will facilitate student participation in clinical laboratory and research activities. Proposed items will afford the opportunity for students to engage experiential learning with new equipment, will help facilitate observation of clinical sessions, and will allow the program to better provide for undergraduate and graduate students to engage in activities for laboratory/research assignments and to fulfill learner outcomes and departmental assessment standards.

Undergraduate and graduate students utilize the Speech Language Hearing Center's facilities regularly with observation and/or direct experience in clinical sessions. Students make use of existing technology in the Center via laboratory exercises and research assignments. Some of the equipment integral to clinical and educational function have become outdated, are of limited functionality, and in need of replacement. This request for a portable projector and screen, Systematic Analysis of Language Transcripts, otoscopes, video otoscope, portable audiometers and clinical tools will help to expand the experiences and access to students of our programs.

Requested items and quotes can be found here: https://tinyurl.com/yb4dmdgc

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The project will offer students a comprehensive, state-of-the-art clinical training experience, consistent with the academic programs' adherence to the requisite knowledge and skills mandated by the Council on Academic Accreditation of the American Speech-Language Hearing Association. Furthermore, it will enable graduates of the clinical training program to continue to be leaders in the field of communication sciences and disorders. With the requested technology, students will be better equipped to document, record and analyze clinical data, and will therefore be better able to report on the sessions. The technology will become an additional resource available to students, which can encourage research and other scholarly activities.
This project will offer clinical training opportunities for undergraduate and graduate students enrolled in speech language pathology and audiology as follows:
-Provide its students with a superior clinical education in speech communication sciences and disorders by offering students the opportunity to work with a wider and more current range of clinical and research tools via tablet applications. Students will also be able to access a range of recorded classroom sessions necessary to illustrate the principles and concepts to which they are exposed. Additionally, items in this proposal will expose students to the latest technology in speech/language and audiological diagnostics and will help to facilitate clinical research and evidence-based practice
-Maintain and enhance the learning environment, and strengthen the link between classroom and clinical instruction. For example, this project will provide opportunities for direct application of state-of-the-art computer-based technology in service delivery, and the inclusion of evidence-based practice and applied clinical research.
-Train future speech language pathologists and audiologists whose superior education will provide the highest quality of services within the borough of Brooklyn.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

53

b. Who will supervise the facility and how will that be funded ongoing:

Clinical instruction within the center will be overseen by existing clinical personnel, specifically by the Clinic Director, Associate Clinic Director, faculty and staff. There will be no additional costs incurred beyond our current instructional budget in order to continue such supervision

c. What physical space will be used to host the facility, and who has authorized its use:

The Speech Language Hearing Center serves as the primary lab for equipment use. The applicants for this proposal have authority to identify the Center as the host facility.

d. If any renovations or furnishings will be required to support the project, how will they be funded?

No renovations will be required.

Please describe how many students will be served each term through the funding of this project, and through what means:

The technology provided in this project will benefit approximately 300 students per semester. Students who will be served by this proposal will be registered in undergraduate and graduate courses (SPEC 1179, 2481, 2482, 7211, 7327, 7313, 7331, 7333, 7391, 7392, 7441, 7691). Additionally, students engaged in clinical laboratory and research activities beyond the classroom will be able to function more efficiently.

How will projected outcomes be assessed?

Student learner outcomes will be measured by:

-the number and range of clinical sessions in which students will successfully utilize advanced technological applications;

-the extent to which students will be able to self-evaluate the usefulness of technology within the clinical session;

-progress in students' academic and clinical training in keeping with models of formative and summative assessment of instruction as required by academic accrediting agencies, such as the Committee on Academic Accreditation of the American Speech Language Hearing Association.

-application of evidence-based practice in the evaluation of diagnostic and therapy outcomes.

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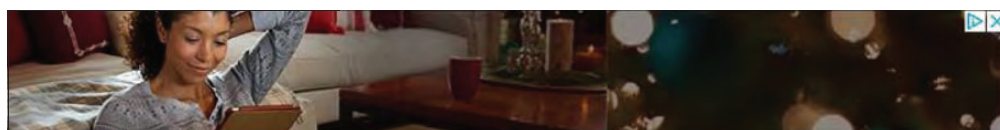
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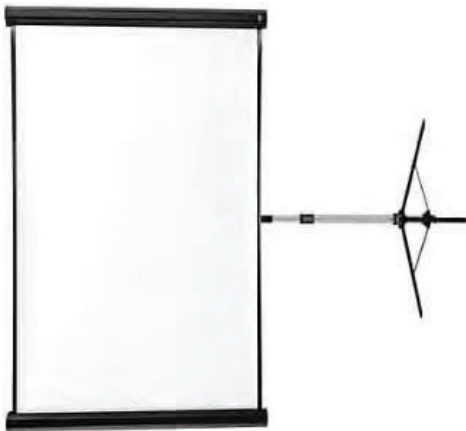
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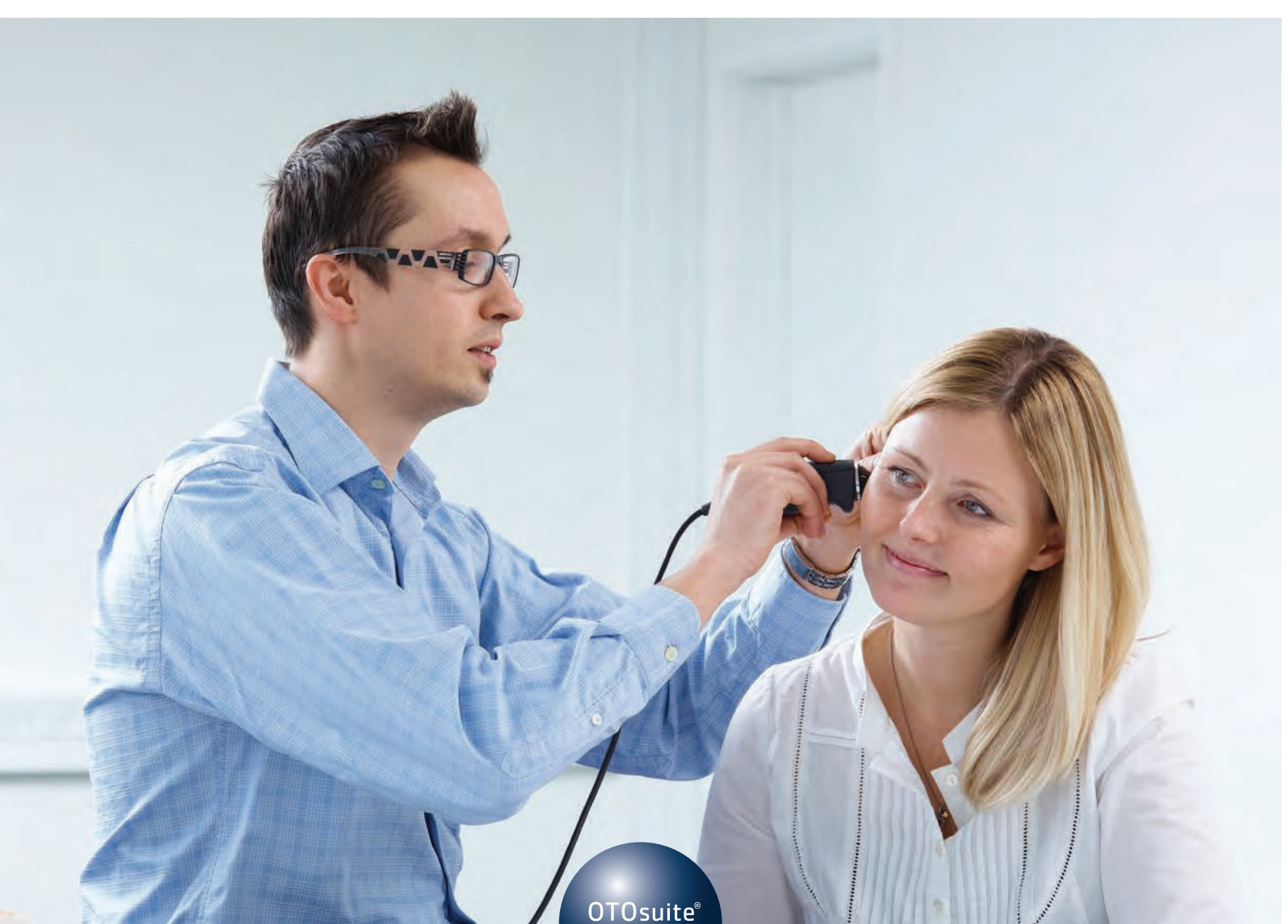
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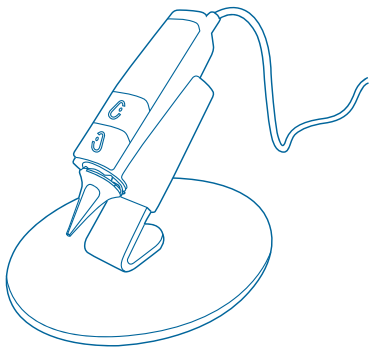
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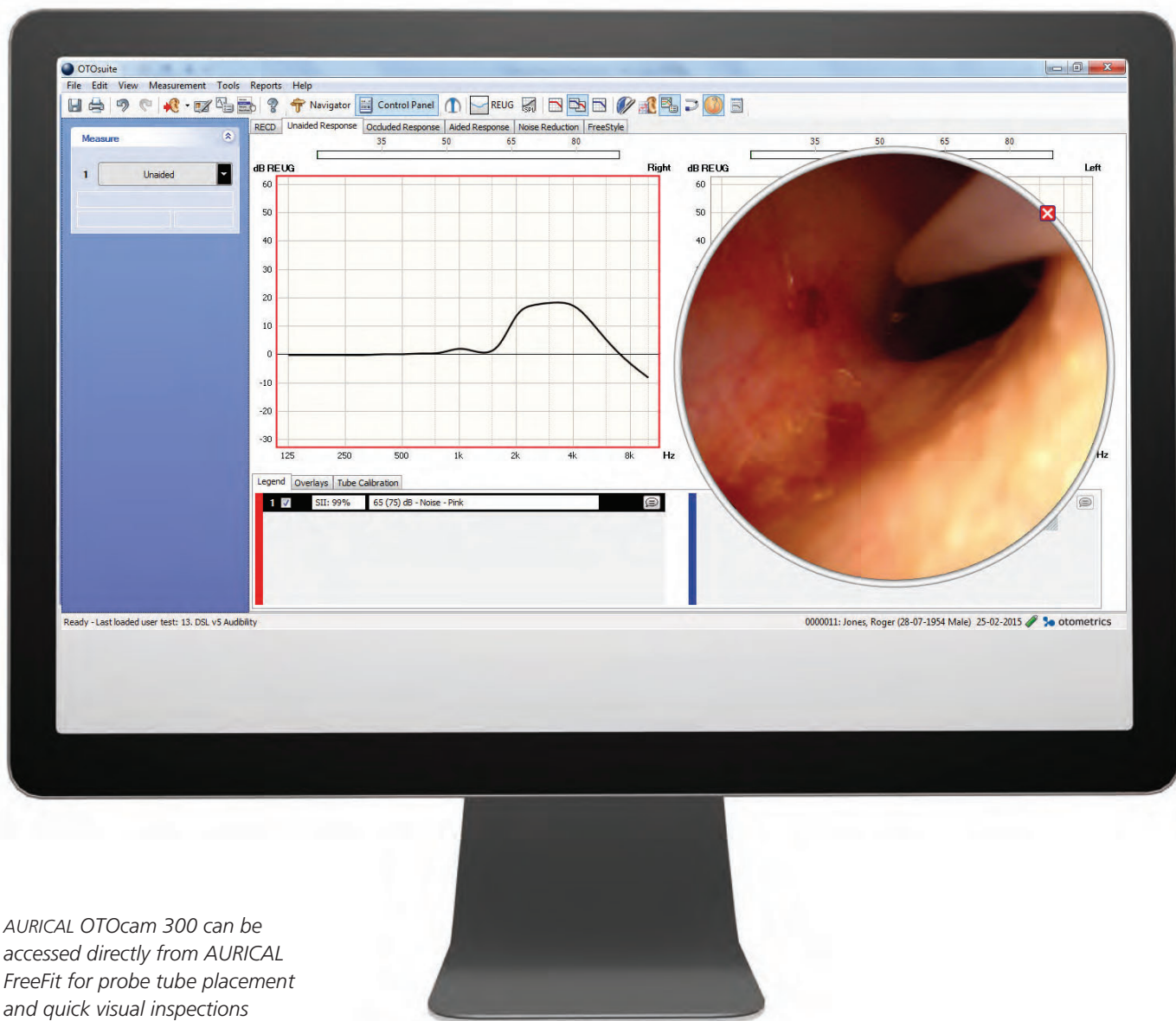
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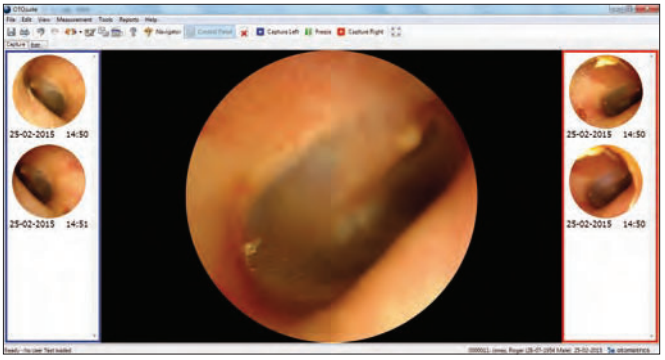
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Barbara L Kurman, Au.D.

"TERMS & CONDITIONS"

EQUIPMENT: **Vendor will provide Customer with one (1) copy of any applicable operator's manual. Service manuals or additional operator manuals shall not be provided without additional charge unless specifically stated.** Customer understands and acknowledges that all Equipment is manufactured by third parties and is sold by Vendor acting as either a distributor or a manufacturer representative. Customer further acknowledges and agrees that this Agreement is not binding upon Vendor until approved by the Manager of Vendors Central Office or another authorized officer of Vendor, or, with respect to Equipment for which Vendor acts as a manufacturer representative, an authorized officer of the manufacturer.

PAYMENT: **Terms are net 30 days from the date of invoice. Amounts payable to Vendor are payable in full without setoff or deduction, for applicable taxes or otherwise. Customer shall pay a 1 ½ % per month service charge on any amounts not paid when due.** Customer may not cancel or refuse delivery of any order for custom-made Equipment, sound room, SLM's, computers, or special order items. For cancellation or refusal to accept an order for other types of instrumentation (e.g. Audiometer, Immittance, OAE, ENG, ABR, H.A. Analyzer units), Customer must pay a service charge equal to 20% of the total price for the canceled or refused items. In addition, Customer is additionally responsible for all charges associated with such cancellation or refusal including, but not limited to, removal, insurance, and shipping.

WARRANTIES: *Manufacturer Warranties:* Vendor makes no representations or warranties, express or implied, concerning the Equipment. Vendor shall provide for Customer to receive any and all manufacturer's warranties in connection with the Equipment and all rights to make claim for breach of warranty that are or may be available with respect to the Equipment, to the extent allowed by the manufacturer. The provisions of any manufacturer's agreement with Vendor setting out the manufacturer's warranty and service responsibilities together with all limitations thereon and exclusions therefrom are incorporated into and made a part of this Agreement. **Within ninety (90) days of delivery for clinical instrumentation, Vendor will provide, in addition to the manufacturer's warranty, free warranty services on-site without additional charge to Customer. After such ninety (90) day period, Customer must pay Vendor's standard travel rates for such on-site warranty services.** *No Other Warranties:* No representation or other affirmation of fact, including but not limited to statements regarding capacity, suitability for use, or performance of any Equipment, shall be or be deemed to be a warranty or representation by Vendor for any purpose, nor give rise to any liability or obligation of Vendor whatsoever. Vendor makes no express or implied warranties of any kind, including those of merchantability and fitness for a particular purpose, and expressly disclaims the same.

DELIVERY/INSTALLATION: Customer will pay all installation, set-up, insurance and shipping charges (F.O.B. place of manufacture), and such charges are not included in the Purchase Price unless specifically stated. Delivery dates are approximate and any delivery schedule is estimated only and presented in good faith by Vendor. Vendor will not assume any liability, consequential or otherwise, for any delay or failure to deliver all or any part of the Equipment. Customer shall be responsible for all necessary site preparations prior to and during the installation of the Equipment in accordance with Vender and/or applicable manufacturer instructions. Such site preparations may include, but are not limited to, provision of electric power, HAVC requirements, accessibility to site, and the provision of sufficient flooring for the Equipment. Customer shall bear any costs or penalties incurred by Vendor as a result of Customer's failure to provide adequate facilities and site preparations for installation at time of delivery as per Vendor or manufacturer instructions or as a result of Customer's failure to accept delivery of the Equipment.

TITLE AND SECURITY INTEREST: The title and the risk of loss shall pass to Customer on delivery. Customer hereby grants to Vender a security interest in the Equipment to secure any portion of the Purchase Price. A copy of this Agreement may be filed on behalf of Vendor with appropriate state authorities at any time after signature by Customer as a financing statement in order to protect Vendor's security interest in the Equipment. Until such time as the Purchase Price and all other charges specified herein are paid in full, Customer shall: (a) maintain the Equipment in good operating condition; (b) keep the Equipment free from liens and encumbrances; (c) not permit use of the equipment in any manner likely to be injurious to the Equipment; (d) not remove or permit removal of the Equipment from its original location or make or permit any alterations without the prior consent of Vendor; (e) keep Vender advised of the location of the Equipment and permit Vendor to inspect the Equipment at all reasonable times; and (f) procure and maintain fire, extended coverage, vandalism, and malicious mischief insurance to the full insurable value of the Equipment, with loss payable to Vendor and Customer as their interests shall appear.

LEGAL FEES AND WAIVER: In the event of any legal action brought by Vendor for breach of this Agreement, Vendor shall be entitled to reimbursement by Customer of all costs, expenses, and legal fees incurred in obtaining a remedy to the Customer's breach, including any appeal. Failure of Vendor to enforce the breach of any portion of this Agreement by Customer from time to time shall not constitute a waiver of such right in respect to the same or any other breach.

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GENERAL: This Agreement is to be governed by and construed under the laws of the State of Illinois, without regard to any conflict of laws provision thereof. All titles and captions contained in this Agreement are for the convenience of reference only and shall not be used in the interpretation or construction of this Agreement. Neither this Agreement, nor any interest herein, shall be assigned by Customer without the express written consent of Vendor. This Agreement contains the entire agreement between Customer and Vendor with respect to the subject matter of this Agreement. All prior arrangements or understandings are superseded by this Agreement. Customer may submit a purchase order to Vender but Customer explicitly acknowledges that any purchase order is for the administrative convenience of Customer only. VENDOR HEREBY OBJECTS TO AND REJECTS ANY AND ALL DIFFERENT OR ADDITIONAL TERMS OR CONDITIONS CONTAINED IN ANY ORDER SUBMITTED TO VENDOR BY OR ON BEHALF OF CUSTOMER. This Agreement may be modified or amended only in a written agreement signed by each party hereto specifically stating that they have agreed to amend this Agreement.

Clinical Evaluation of Language Fundamentals®, Fifth Edition Metalinguistics
(CELF®-5 Metalinguistics)

Elisabeth H. Wiig, PhD, Wayne A. Secord, PhD

Overview: Assessment to measure higher-level language skills

Qualification Level: B

Age Range: 9:0–21:11

Completion Time: Approximately 45 minutes for the Total Metalinguistics Score

Scores/Interpretation: Test and composite standard scores, percentile ranks, age equivalents growth scale values

Scoring Options: Q-global™ (web-based) or manual scoring

Publication Date: 2014

You May Also Like

Clinical Evaluation of Language Fundamentals® - Fifth Edition (CELF®-5)

CELF-5® Screening Test

Order Help

Get instructions and help on ordering online or from our product catalog

Ordering FAQs

Contact us online

P: 800.627.7271
F: 800.232.1223

Product Details

Assess Higher-Level Semantic and Pragmatic Language Skills

A revision of the Test of Language Competence-Expanded, the CELF-5 Metalinguistics assessment includes five tests of higher-level language skills that are embedded in upper-grade curricula and are critical to classroom success. Use the test to measure a student's ability to think about and use language to make inferences, manipulate conversational speech given a context, use words in multiple ways, and use language in a non-literal manner.

Content & Administration

Screen higher level language skills using the Metalinguistics Profile, a 30 item rating scale you can use to examine a student's metalinguistic skills in these areas: Words, Concepts and Multiple Meanings, Inferences and Predictions, and Conversational Knowledge and Use.

Administer these four tests individually or as a battery to obtain norm-referenced information about an individual's language skills in:

- Making Inferences
- Conversation Skills
- Multiple Meanings
- Figurative Language

Features and Benefits

- Ideal for students with subtle language disorders or those on the autism spectrum
- Goes beyond assessment of syntax and semantics to assess student's language strategies and language flexibility
- Includes several tests that assess the student's ability to interpret contextual and situational demands of conversation, understand what is not explicitly stated in communication interactions, understand non-literal language
- Helps you evaluate delays in semantic, syntactic, and pragmatic competence

CELF-5 Metalinguistics Stimulus Book Pages
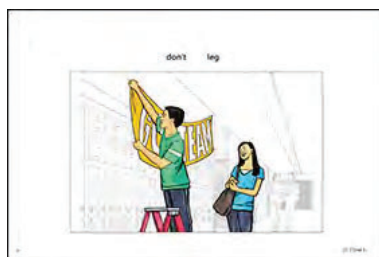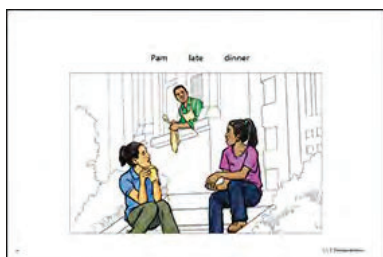
Examples of stimuli from the Conversation Skills Test

Digital Manual and Stimulus Books option

- The Examiner's Manual and Stimulus Book are available on Q-global, our web-based system for scoring and reporting. Display the Manual or Stimulus Book on any web-enabled computer or tablet!
- Includes a full set of paper Record Forms
- Ideal for telepractice!

Digital Option Available

Q-global

Q-global is Pearson's web-based system for accessing digital resources for assessment, scoring, and reporting. Use any web-enabled computer or tablet--ideal for face-to-face or telepractice assessments!

A CELf-5 Metalinguistics Digital Kit is available (including a digital Stimulus Book, digital Manual, and paper record forms). Scoring is purchased separately. You have the option to purchase an unlimited-use 1-, 3-, or 5- year scoring subscription or individual score reports. Quantity discounts are available.

Important note: Each scoring subscription is per user and will begin on the date the first subscription from the order is allocated to the user(s) in the Q-global account.

Soon after you place your order, you will receive an email informing you that your CELF-5 Metalinguistics digital Manual, Stimulus Book, and/or scoring are available on the Q-global platform. The paper Record Forms included in the Digital Kit will be shipped to you.

Other Pearson Clinical assessments available on Q-global include CELF-5, CELF-5 Metalinguistics, PPVT-4, EVT-2, GFTA-3, KLPA-3, and GFTA-3 Spanish. Learn more about Q-global pricing.

Scoring

Sample Reports

- CELF-5 Metalinguistics Score Report
- CELF-5 Metalinguistics Progress Report

Scoring and Reporting

Scoring and reporting options will be available through Pearson's Q-global platform. Q-global offers:

- 24/7 secure, web-based access
- Portability: Q-global can be used on mobile devices such as a laptop or tablet
- On-demand, reliable scoring and comprehensive reporting solutions
- Pricing on a per-report basis

Resources

Related Information

- CELF-5 Metalinguistics Test Objectives and Descriptions
- CELF-5 Metalinguistics Sensitivity and Specificity Statistics
- CELF-5 Metalinguistics Evidence of Reliability
- CELF-5 Metalinguistics Technical Summary
- CELF-5 Metalinguistics Flyer

- Digital and Paper Options

Case Studies

- CELF®-5 Metalinguistics Case Study-Ana
- CELF®-5 Metalinguistics Case Study-David
- CELF®-5 Metalinguistics Case Study-Minh

Presentations

- Assessing Higher Order Language Skills When Students Struggle in the Classroom

Training

Want to learn more about how the CELF-5 Metalinguistics is administered and actually try it out?

Qualified users can complete a complimentary case study through our partnership with SimuCase! Try Administering the CELF-5 Metalinguistics for FREE with Promo Code PEARSON.

Pre-recorded Webinars

The Metalinguistic Bridge: Language Competence and Classroom Success

Presenter: Wayne Secord, Ph.D., CCC-SLP

Overview

The ability to use one's communication and language system as a tool is an essential aspect of school-age language competence. This session will provide an overview of metalinguistic awareness, stages of development, and its impact on every-day classroom performance. Information about improving students' metalinguistic skills and strategies will be presented using two case studies that utilize (1) the use and interpretation of the CELF-5 Test of Metalinguistics (Wiig and Secord, 2014) to assess metalinguistic competence, and (2) practical classroom-based assessment strategies to accurately describe the every-day things students struggle do, say, make and use in the school curriculum. Participants who attend this program will leave with new perspectives on clinical and educational assessment as well as with practical strategies they can put to use right away.

Learner Outcomes

After the completion of the webinar, participants will be able to:

1. Illustrate how students with marginal oral language test scores might perform on the CELF-5 Test of Metalinguistics.
2. Describe how students with poor to marginal metalinguistic skills might impact classroom-based language and learning.
3. Describe how practical classroom assessment focuses on what students struggle to do, say, make and use in school.

Time-ordered Agenda

1:00 to 1:25 pm - Metalinguistic Ability (What it is; How Important is It?)

1:25 to 1:40 pm - Case Study Example – 3rd Grade Student

1:40 to 1:55 pm - Case Study Example – 8th Grade Student

1:55 to 2:00 pm - Question and Answer

This course is offered for 0.1 ASHA CEUs (Intermediate level, Professional area.)

- ASHA CEUs and Eligibility Information - About The Presenter
- ASHA CEUs Webinar Forms

Date: Sep 05, 2018

PDF: The Metalinguistic Bridge: Language Competence and Classroom Success

Video: The Metalinguistic Bridge: Language Competence and Classroom Success

The Metalinguistic Bridge: Language Competence and Classroom Success

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3. Describe how practical classroom assessment focuses on what students struggle to do, say, make and use in school.

Time-ordered Agenda

2:00 to 2:25 pm - Metalinguistic Ability (What it is; How Important is It?)
2:25 to 2:40 pm - Case Study Example – 3rd Grade Student
2:40 to 2:55 pm - Case Study Example – 8th Grade Student
2:55 to 3:00 pm - Question and Answer

This course is offered for 0.1 ASHA CEUs (Intermediate level, Professional area.)

- ASHA CEUs and Eligibility Information - About The Presenter
- ASHA CEUs Webinar Forms

Date: May 29, 2018

PDF: The Metalinguistic Bridge: Language Competence and Classroom Success

Video: The Metalinguistic Bridge: Language Competence and Classroom Success

CELF-5 Metalinguistics: Language Competence and Classroom Success

Presenter: Wayne A. Secord, PhD, CCC-SLP

School-age students need to use their communication and language system as a tool to master grade level curriculum. Students unable to do this, clearly risk being left behind. This program provided information on the assessment of metalinguistic competence and its overall impact on every-day classroom and curriculum-based performance difficulties and needs. Two case studies were presented.

Date: Sep 20, 2017

PDF: CELF-5 Metalinguistics: Language Competence and Classroom Success

Video: CELF-5 Metalinguistics: Language Competence and Classroom Success

Crossing the Bridge: Developing Metalinguistic Awareness and Strategies

Presenter: Elisabeth Wiig, Ph.D., CCC-SLP

Metalinguistic awareness is often underdeveloped in children with language disorders and learning disabilities and may require classroom and other interventions to foster metalinguistic abilities and strategic language use. This program will give a short overview of metalinguistic development followed by a case study that illustrates a multi-step process. Methods and strategies for developing critical thinking and semantic, syntactic, and conversational flexibility will be outlined and discussed with emphasis on the CELF-5 Metalinguistics test results. Methods and processes for developing critical thinking and semantic, syntactic and conversational flexibility and strategies will be outlined and discussed. Participants will acquire new perspectives of metalinguistics and strategic language use and obtain immediately applicable templates for implementing the methods and strategies discussed.

Date: Nov 09, 2016

PDF: Crossing the Bridge: Developing Metalinguistic Awareness and Strategies

Video: Crossing the Bridge: Developing Metalinguistic Awareness and Strategies

CELF-5 Metalinguistics: Language Competence and Classroom Success

Presenter: Wayne A. Secord, PhD, CCC-SLP

The ability to use one's communication and language system as a tool is an essential aspect of school-age language competence. This session will provide an overview of metalinguistic awareness, stages of development, and its impact on every-day classroom performance. Information about improving students' metalinguistic skills and strategies will be presented using two case studies that utilize the use and interpretation of the CELF-5 Test of Metalinguistics (Wiig and Secord, 2014) to assess metalinguistic competence, and practical classroom-based assessment strategies to accurately describe the every-day things students struggle do, say, make and use in the school curriculum. Participants who attend this program will leave with new perspectives on clinical and educational assessment as well as with practical strategies they can put to use right away.

Date: Sep 22, 2016

PFD: CELF-5 Metalinguistics: Language Competence and Classroom Success

PDF: Case Studies - CELF-5 Metalinguistics: Language Competence and Classroom Success

Video: CELF-5 Metalinguistics: Language Competence and Classroom Success

The Metalinguistic Bridge: Paying the Toll for Classroom Success

Presenter: Elisabeth Wiig, PhD, CCC-SLP, Wayne Secord, Ph.D., CCC-SLP

The ability to use one's communication and language system as a tool is an essential aspect of school-age language competence. Students must be able to pay the toll at the "Metalinguistic Bridge" or risk being left behind. This program will provide a strong background on metalinguistic ability including (1) metalinguistic awareness, (2) stages of development, (3) performance difficulties and needs, and (4) strategies for improving metalinguistic skills and strategies. The seminar will conclude with an interesting case study example that utilizes effective classroom-based assessment and the CELF-5 Test of Metalinguistics (Wiig and Secord, 2014) to guide the intervention planning process. Participants who attend this program will leave with new perspectives on clinical and educational assessment as well as with practical strategies they can put to use right away. Join us for a truly engaging experience.

Date: Apr 13, 2016

Video: The Metalinguistic Bridge: Paying the Toll for Classroom Success

The Importance of Being Meta!

Presenter: Wayne A Secord, PhD, CCC-SLP

The ability to use one's communication and language system as a tool is an essential aspect of school-age language competence. Students pay the toll at the "Metalinguistic Bridge" or risk being left behind. This program will provide an overview of the CELF-5 Test of Metalinguistics (Wiig & Secord, 2014). This new assessment instrument is designed to identify students 9-21 years old who have not acquired the expected levels of metalinguistic ability for their age. Case studies of school-age students whose scores on oral language assessments fall in the low average, marginal, or at-risk range will be used to illustrate the importance of being "meta" in school-based learning. Participants will leave with program with practical strategies they can put to use right away.

Date: Mar 24, 2015

Video: The Importance of Being Meta!

Using the CELF-5 Metalinguistics Battery to Assess Higher Level Language Skills

Presenter: Adam Scheller, PhD

This webinar will provide an overview of CELF-5 Metalinguistics, a revision of the Test of Language Competence-Expanded (TLC-E). Students who have learned basic semantic and grammar skills may still have subtle language deficits which interfere with their ability to keep up with classroom peers. Descriptions of individual tests and current research will be provided.

Learning Outcomes

At the completion of the webinar, participants will be able to:

○ Describe the purpose of the CELF-5 Metalinguistics test.
○ List at least three tests that comprise the CELF-5 Metalinguistics battery.
○ Name at least on way that CELF-5 Metalinguistics differs from the Test of Language Competence-Expanded (TLC-E)
○ Describe a clinical situation in which administering one of the CELF-5 Metalinguistics tests to a student may not provide accurate information about a student's language skill.

Date: May 29, 2014

Video: Using the CELF-5 Metalinguistics Battery to Assess Higher Level Language Skills

Pricing & Ordering

The Flash drive Kit and individual flash drives have been discontinued. See the Q-global tab for

options such as the Digital Manual and Digital Stimulus Book.

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Kits	Price	Qty	Reports (Usages)	Price	Qty
CELF–5 Metalinguistics Q-global Digital Kit *0158009487*	$382.00		**CELF–5 Metalinguistics Q-global Score Report Usages** *0150014422*	$1.05	

Includes CELF-5 Metalingustics Digital Examiner's Manual on Q-global, CELF-5 Metalingustics Digital Technical Manual on Q-global, CELF-5 Metalingustics Digital Stimulus Book on Q-global, and paper CELF-5 Metalingustics Record Forms (25)

Quantity	Price Each
1 - 49	$1.05
50 - 299	$.95
300 - 499	$.85
500+	$.75

Manuals	Price	Qty
CELF–5 Metalinguistics Digital Examiner's Manual on Q-global *0150015097*	$144.00	
CELF–5 Metalinguistics Digital Technical Manual on Q-global *0150015100*	$49.00	

Additional Materials	Price	Qty
CELF–5 Metalinguistics Digital Stimulus Book on Q-global *0150015119*	$202.20	

Scoring Subscriptions for Paper Administrations (Unlimited use for a single user)

Kits	Price	Qty	Reports (Subscriptions)	Price	Qty
			CELF–5 Metalinguistics Scoring 1-Year Subscription *QG1CM5*	$40.00	
			CELF–5 Metalinguistics Scoring 3-Year Subscription *QG3CM5*	$110.00	
			CELF–5 Metalinguistics Scoring 5-Year Subscription *QG5CM5*	$165.00	

Manual Scoring

PEARSON

ALWAYS LEARNING

Children's Communication Checklist-2 U.S. Edition
(CCC—2)

Dorothy Bishop, PhD

Overview: Rate a child's communication skills to determine if further testing is required

Qualification Level: B

Age Range: 4:0-16:11 years

RTI Tiers: RTI Levels 1, 2 and 3

Completion Time: 5-10 minutes

Scores/Interpretation: Norm-referenced; Scores include scaled scores, percentile ranks, confidence intervals, composite score, and index score

Scoring Options: Computerized- 5 minutes; Manual Score - 15 minutes

Publication Date: 2006

Product Details

Take the first step in identifying language concerns with CCC-2

The **Children's Communication Checklist-2** (CCC--2) U.S. Edition was developed as a parent or caregiver rating scale, based on the extensive research of author, Dr. Dorothy Bishop. The 70-item questionnaire offers the flexibility to:

- Rate aspects of communication such as speech, vocabulary, sentence structure, and social language skills of children and adolescents who speak in sentences
- Screen for general language impairments confidently
- Identify children with pragmatic language impairment
- Determine if children who may benefit from further assessment for autism spectrum disorder

CCC-2 Domains

LANGUAGE

- Speech
- Syntax
- Semantics
- Coherence

PRAGMATICS

- Initiation
- Scripted Language
- Context
- Nonverbal Communication
- Social Relations
- Interests

CCC—2 is sensitive and detects deficits not identified by other communication assessments.

Incorporate CCC—2 into your longitudinal studies. Several studies are being presently conducted in the US.

CCC–2 DOMAINS

CCC–2 is sensitive to pragmatic language and detects deficits

LANGUAGE	PRAGMATICS
Speech	Initiation
Syntax	Scripted Language
Semantics	Context
Coherence	Nonverbal Communication
	Social Relations
	Interests

language and detects deficits not identified by other communication assessments.

Training

Pre-recorded Webinars

Using the Childrens Communication Checklist-2 for Children with SLI and Autism

Presenter: Dorothy Bishop, PhD

This webinar provided an overview of the Children's Communication Checklist-2 (CCC-2), addressing test purpose and development, technical characteristics, administration, scoring, and interpretation of the test. Clinical profiles and case studies of children with specific language impairment and social-interaction deficits were discussed.

Date: Sep 02, 2015

PDF: Using the Childrens Communication Checklist-2 for Children with SLI and Autism

Video: Using the Childrens Communication Checklist-2 for Children with SLI and Autism

Pricing & Ordering

Add to Cart

Order Complete Kit

Manual Scoring

Kits	Price	Qty
CCC-2 Complete Kit (Windows only) *015844048X*	$213.00	
Includes Manual, 25 Caregiver Response Forms, 25 Scoring Worksheets, and Scoring CD.		

Order Components

Manuals	Price	Qty
CCC-2 Manual *0158440471*	$82.00	

Administration Materials	Price	Qty
CCC-2 Scoring Worksheets *015844051X* Pkg of 25	$29.00	
CCC-2 Caregiver Response Forms *0158440501* Pkg of 25	$50.00	

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SCATBI: Scales of Cognitive Ability for Traumatic Brain Injury

Brenda B. Adamovich • Jennifer Henderson

Product Number: 9060　　　Format: KIT
Test Level: B　　　　　　　Weight 3 lbs.8 oz.

Price:

$ 348.00

Enlarged Image

1　　　　　　　　⇕　　**Add to Cart**

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Other Components and Related Products:
SCATBI Examiner's Manual Price: $ 91.00 (Add To Cart)
SCATBI Stimulus Book Price: $ 91.00 (Add To Cart)
SCATBI Record Forms (25) Price: $ 72.00 (Add To Cart)
SCATBI Stimulus Card Set Price: $ 73.00 (Add To Cart)

Description

Ages: *Adolescent and adult*
Testing Time: *30 to 120 minutes*
Administration: *Individual*

The Scales of Cognitive Ability for Traumatic Brain Injury (SCATBI) assesses cognitive and linguistic abilities of adolescent and adult patients with head injuries. Its results can be used to establish the severity of the injury and can be charted to show progress during recovery. The SCATBI can be individually administered in 30 minutes to 2 hours. It consists of five subtests: Perception/Discrimination, Orientation, Organization, Recall, and Reasoning. Because the subtests use the same standard score scale, direct comparison of performance on the different subtests is possible. Unlike other tests for this population, the SCATBI progresses in difficulty to levels that even some noninjured adults do not typically master. This permits patients who functioned at very high levels prior to injury to be measured with the same instrument as they regain the use of higher level abilities (such as complex organization and abstract reasoning).

The SCATBI is time efficient-administer only those scales you think are useful for evaluating a particular patient. The SCATBI was standardized on a sample of head-injured patients and a sample of matched adults with no history of head injury. Internal consistency coefficients were high (.90 or higher) for all subtests. TestÂ-retest coefficients from a patient sample ranged from a low of .73 (Reasoning) to a high of .89 (Recall). Concurrent validity was supported by correlations between SCATBI scores and levels of the *Rancho Los Amigos Scales*. Discriminant analysis showed that the five SCATBI scales accurately classified 79.2% of head-injured participants and 95.7% of noninjured participants.

Complete SCATBI Kit includes: *Examiner's Manual, Stimulus Manual, 25 Record Forms, Stimulus CD, and Stimulus Card Set, all in a sturdy storage box. (©1992)*

Functional Assessment of Verbal Reasoning and Executive Strategies

Author: Sheila MacDonald M.Cl.Sc. SLP(C)

Sufficiently Challenging to Detect Subtle Cognitive-Communication Deficits

- Assesses verbal reasoning, complex comprehension, discourse, and executive functioning during performance on a set of challenging functional tasks.
- Requires processing of 'real life' amounts of information, analysis of several factors, integration of a variety of types of stimuli, and formulation of written and oral responses.

Standardized on the ABI population

- Standardized on adults with acquired brain injuries as well as a sample of non-injured controls (18-79 yrs). Individual performance can be compared to norms for time, accuracy, rationale, and a set of reasoning subskills.
- Sound reliability and validity with clinical trials demonstrating statistically significant differences between adults with ABI and non-injured controls.

Reflective of Functioning in the Real World

- Designed with ecological validity in mind FAVRES tasks simulate real world communications and incorporate context using natural settings, roles, and conversation.
- Qualitative and Quantitative aspects of performance are incorporated into the scoring
- Tasks require the examinee to:
    - Plan an Event
    - Schedule a Work day
    - Decide on a Gift
    - Build a Case to Solve a Common Problem

Available in the following languages:

- English
- French
- Danish

Download information about FAVRES

Yields Clinically Relevant Information about Verbal Reasoning Performance

FAVRES results form the basis for treatment planning by answering the following questions.

1. **Getting the Facts** – Can the person identify the most important facts?
2. **Eliminating Irrelevant Information** – Can the person identify and ignore less relevant information in order to focus on more important information?
3. **Weighing the Facts** – Can the person compare or weigh competing options or criteria?
4. **Flexibility** – Can the person revise a decision or plan of action when presented with new information?
5. **Generating of Alternatives** – Can the person efficiently generate a variety of solutions, options or alternatives?
6. **Predicting Consequences** – Can the person predict potential outcomes, pros and cons, or consequences of a choice?
7. **Providing a Rationale** – Can the person provide a rationale or a set of reasons for making a choice?

Administration Time: Approx. 60 minutes: 15 minutes per task. Individual times vary.

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Speak up with symbol-based AAC

Not being able to speak isn't the same as having nothing to say. Children, teens and adults who can't speak can use this Augmentative and Alternative Communication (AAC) app for iOS as a daily communication tool and to build language skills. From the first time someone opens the app, a few taps are all it takes to start talking to the world.

Download on the App Store

Available in English, Spanish, French and Dutch

Available for iPhone, iPad, iPod touch and Apple Watch

https://www.amazon.com/Seagate-Portable-External-Drive-STGX4000400/qp/B07CKGSK16/ref=sr_1_1_sspa?s=electronics&ie=U1F8&q

Electronics › Computers & Accessories › Data Storage › External Hard Drives

Chargers vs. Chiefs | Watch Thursday 8:20PM/ET

Seagate Portable 4TB External Hard Drive USB 3.0 (STGX4000400)
by Seagate
★★★★☆ ˅   198 customer reviews | 73 answered questions

Price: $94.99 ✓prime

Arrives before Christmas.

Capacity: **4TB**

| 1TB | 2TB | **4TB** | 8TB |

Style: **Portable**

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Price Quote
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Date: 11/28/2018

From: Heidi Williams
SALT Software, LLC

To: Attn: Baila Epstein
Brooklyn College
2900 Bedford Ave.
3439 Boylan Hall
Brooklyn, NY 11210

Product Code	Description	Category	Qty.	Item Price	Total Price
SLT-SW18-IXRG	SALT 18 Instructional Site License with Guide W/M	Upgrade	1	$695.00	$695.00
			Subtotal		$695.00
			Discount		($208.50)
			Shipping Costs		$7.25
			Sales Tax		$0.00
			Total		**$493.75**

Note: Upgrde of SALT 16 Instructional Site License (original invoice S034247) to SALT 18.

For questions please contact us at:	
SALT Software, LLC	Tollfree: 1-888-440-SALT (7258)
414 D'Onofrio Dr., Ste 310	Phone: 608-841-1393
Madison, WI 53719	Fax: 608-237-2220
	Web: www.SALTSoftware.com
Taxpayer Id: 26-1343569	Email: sales@SALTSoftware.com

Terms: net 30 days, U.S. funds only
This price quote is valid for 30 days.

Creating new STF proposal

Department/Office Name: Department of Communication Arts, Sciences and Disorders and DRD Speech Language Hearing Center

Applicant Name: Bergen, Michael

Additional Applicant(s):

(Last Name, First Name)

Primary Contact for Proposal Michael Bergen

  Email Address: mbergen@brooklyn.cuny.edu

  Phone: 718 951 5186

Proposal Title: Support for Speech Language Hearing Center Clinical Laboratory Education (up to 160 symbols)

Description of Proposed Project Detail what the funding will be used for

(up to 5000 symbols):

> This proposal will fund technology which will enhance education in clinical, classroom and labs in the undergraduate and graduate curriculum of speech-language pathology and audiology in the Department of Communication Sciences and Disorders. Awarded equipment will facilitate student participation in clinical laboratory and research activities. Proposed items will afford the opportunity for students to engage experiential learning with new equipment, will help facilitate observation of clinical sessions, and will allow the program to better provide for undergraduate and graduate students to engage in activities for laboratory/research assignments and to fulfill learner outcomes and departmental assessment standards.

> Undergraduate and graduate students utilize the Speech Language Hearing Center's facilities regularly with observation and/or direct experience in clinical sessions. Students make use of existing technology in the Center via laboratory exercises and research assignments. Some of the equipment integral to clinical and educational function have become outdated, are of limited functionality, and in need of replacement. This request for a portable projector and screen, Systematic Analysis of Language Transcripts, otoscopes, video otoscope, portable audiometers and clinical tools will help to expand the experiences and access to students of our programs.

> Requested items and quotes can be found here: https://tinyurl.com/yb4dmdgc

> 1. Presentation Materials
>   a. Epson EX5260 Wireless XGA 3LCD Projector, White - $549
> Staples https://www.staples.com/Epson-EX5260-Wireless-XGA-3LCD-Projector-White/product_2769687

b. ES3000 Ultra Portable V12H002S3Y Tripod 80" - $249.99
      https://www.staples.com/Epson-ES3000-Ultra-Portable-Tripod-80-Projection-Screen/product_897667

   c. Logitech Wireless Presenters (3x$32.61= $97.83)
      https://www.amazon.com/Logitech-Wireless-Presenter-Presentation-Pointer/dp/B002GHBUTK/ref=sr_1_3?s=electronics&ie=UTF8&qid=1544468892&sr=1-3&keywords=logitech+wireless+presenter

   d. GoPro 7 Black Bundle https://www.bhphotovideo.com/c/product/1439978-REG/gopro_hero_7_black_with.html $406.50

2. Audiology classroom and lab
a. Welch Allyn 92850 PocketScope Set with Charging Stand & Hard Case (2) $1399.96
   https://www.allheart.com/welch-allyn-92850-pocketscope-set-with-charging-stand-amp-hard-case/p/wa92800/

b. Otometrics Aurical Otoscope - $2300 (attached quote) https://otometrics.natus.com/en-us/products-services/aurical-otocam-300

c. Audiometers: MA41 Portable with bone conduction and EHF $5,735 (attached quote)

3. Clinical speech and language assessment/intervention
   a. PocketTalker 2.0 w Rechargeable System (4) $219.96x4=$879.84):
      https://www.amazon.com/PockeTalker-Ultra-2-0-Rechargeable-EXCLUSIVE/dp/B01E7E8HA4

   b. Clinical assessment tools

      i. CELF Metalinguistics Q-global Metalinguistic Kit: *$382*
          https://tinyurl.com/yc26966z
      ii. *Children's Communication Checklist $213,*
          https://www.pearsonclinical.com/language/products/100000193/childrens-communication-checklist2-us-edition-ccc-2.html
      iii. *SCATBI: Scales of Cognitive Ability for TBI:*
          https://www.proedinc.com/Products/9060/scatbi-scales-of-cognitive-ability-for-traumatic-brain-injury.aspx $348
      iv. *FAVRES – Functional Assessment of Verbal Reasoning -*
          http://www.ccdpublishing.com/favres.aspx, https://ccd-publishing.myshopify.com/collections/frontpage $405.00
      v. *Proloquo2Go* https://www.assistiveware.com/products/proloquo2go
          $249.99

4. Clinical storage/retrieval
    a. External 4TB hard drives (4 x $95)= $380 Seagate
       https://www.amazon.com/Seagate-Portable-External-Drive-STGX4000400/dp/B07CRGSR16/ref=sr_1_1_sspa?s=electronics&ie=UTF8&qid=1544468718&sr=1-1-spons&keywords=4tb+external+hard+drive&psc=1

5. Language classroom –
    a. Upgrade to SALT (Systematic Analysis of Language Transcripts) 18 Instructional Site License (from SALT 16 Instructional Site License). http://saltsoftware.com/salt-18-instructional-site-license
       Vendor: SALT Software LLC Cost: $486.50

Estimated total cost: 14082.61

(enter rounded dollar amount

with no dollar sign, commas, or cents)

For assistance with estimated cost,

please contact Helpdesk at

718-951-4357 option 1 or helpdesk@brooklyn.cuny.edu

How will this request have a direct impact

on student learning or student life?

What are the objectives of this project?

(up to 5000 symbols)

The project will offer students a comprehensive, state-of-the-art clinical training experience, consistent with the academic programs' adherence to the requisite knowledge and skills mandated by the Council on Academic Accreditation of the American Speech-Language Hearing Association. Furthermore, it will enable graduates of the clinical training program to continue to be leaders in the field of communication sciences and disorders. With the requested technology, students will be better equipped to document,

record and analyze clinical data, and will therefore be better able to report on the sessions. The technology will become an additional resource available to students, which can encourage research and other scholarly activities.

This project will offer clinical training opportunities for undergraduate and graduate students enrolled in speech language pathology and audiology as follows:

- Provide its students with a superior clinical education in speech communication sciences and disorders by offering students the opportunity to work with a wider and more current range of clinical and research tools via tablet applications. Students will also be able to access a range of recorded classroom sessions necessary to illustrate the principles and concepts to which they are exposed. Additionally, items in this proposal will expose students to the latest technology in speech/language and audiological diagnostics and will help to facilitate clinical research and evidence-based practice

- Maintain and enhance the learning environment, and strengthen the link between classroom and clinical instruction. For example, this project will provide opportunities for direct application of state-of-the-art computer-based technology in service delivery, and the inclusion of evidence-based practice and applied clinical research.

- Train future speech language pathologists and audiologists whose superior education will provide the highest quality of services within the borough of Brooklyn.

Please describe how many students will be

served each term through the funding

of this project, and through what means:

(up to 5000 symbols)   The technology provided in this project will benefit approximately 300 students per semester. Students who will be served by this proposal will be registered in undergraduate and graduate courses (CASD 1179, 2481, 2482, 7211, 7327, 7313, 7331, 7333, 7391, 7392, 7441, 7691). Additionally, students engaged in clinical laboratory and research activities beyond the classroom will be able to function more efficiently.

How will projected outcomes be assessed?

(up to 5000 symbols)   Student learner outcomes will be measured by:

- the number and range of clinical sessions in which students will successfully utilize advanced technological applications;

- the extent to which students will be able to self-evaluate the usefulness of technology within the clinical session;

- progress in students' academic and clinical training in keeping with models of formative and summative assessment of instruction as required by academic accrediting agencies, such as the Committee on Academic Accreditation of the American Speech Language Hearing Association.

- application of evidence-based practice in the evaluation of diagnostic and therapy outcomes.

If funding is requested for a lab, other public access technology facility, or other physical facility:

a. **How many hours per week the lab will be open:** The center is open Monday-Thursday, 8:30 AM-8:00 PM; Friday, 8:30 AM-4:00 PM. There will be no need for additional coverage to allow students to use the requested technology.

b. **Who will supervise the facility and how will that be funded ongoing:**

(STF does not fund staffing costs)

(up tp 500 symbols) Clinical instruction within the center will be overseen by existing clinical personnel, specifically by the Clinic Director, Associate Clinic Director, faculty and staff. There will be no additional costs incurred beyond our current instructional budget in order to continue such supervision

c. **What physical space will be used to host the facility, and who has authorized its use:**

(up to 200 symbols) The Speech Language Hearing Center serves as the primary lab for equipment use. The applicants for this proposal have authority to identify the Center as the host facility.

d. **If any renovations or furnishings will be required to support the project, how will they be funded?**

(STF does not fund renovations or furnishings other than computer workstations)

(up to 200 symbols) No renovations will be required.

Are any of the items in your proposal available from only one source? **If so, please attach a sole source attestation letter from the vendor(s) and also one from your department/office, as required by Purchasing** Yes. A sole source letter is attached.

Indicate if this project was approved in the prior STF year pending funding

availability and was not yet funded **:** This project has not previously been submitted.

Support to link theory and clinical practice for speech-language pathology students

School:	School of Humanities and Social Sciences
Department/Office:	Communication Arts, Sciences, and Disorders
Applicant Name:	Marton, Klara
Additional Applicant(s):	
Primary Contact for Proposal	
Email Address:	kmarton@brooklyn.cuny.edu
Phone:	7189515000
Estimated total cost:	$ 34,800.00

Description of Proposed Project:
This proposal will fund technology that will enhance education of undergraduate and graduate students of speech-language pathology by bridging the gap between theory and clinical application in the Department of Communication Sciences and Disorders. Awarded equipment will facilitate student participation in clinical laboratory and research activities by testing different theoretical models from courses, such as Literacy and language-based learning disabilities, and applying that knowledge to clinical practicum. Students will be engaged in various experiential learning activities that will help them to apply the knowledge they gain during lectures and seminars to clinical sessions. With the eye-tracker, students will complete assignments on lexical decision, measurement of cognitive' effort exertion, and different language processes in populations with communication disorders to fulfill learner outcomes and departmental assessment standards.

Undergraduate and graduate students utilize the Speech Language Hearing Center's facilities regularly with observation and/or direct experience in clinical sessions. Students make use of existing technology in the Center via laboratory exercises and research assignments. This request for an eye-tracker will help us to strengthen the links between the theoretical courses and students' clinical experiences.

Hardware: Tobii Pro Spectrum Eye Tracker - Pro Spectrum 150 Hz - $24,840 with academic discount ($27,600 list price) Shipping $500
Pro Spectrum Product page at tobii.com - http://www.tobiipro.com/product-listing/tobii-pro-spectrum/#Specifications

Software: Tobii Pro Lab Full Edition
Pro Lab Product page at tobii.com http://www.tobiipro.com/product-listing/tobii-pro-lab/
Pro Lab Overview Video Demo -
 http://tobii.23video.com/tobii-pro-lab-feature-overview-screen-based
$8,910 with academic discount ($9,900 List) includes one-year Support & Upgrade Contract

2-hour online training: $550

If the requested amount is not available, an alternative solution would be hardware: Tobii X3-120 Eye Tracker - 120 Hz $13,410 with academic discount ($14,900 List) http://www.tobii.com/en/eye-tracking-research/global/products/hardware/tobiipro-x3-120/
Shipping $200
Software: Tobii Pro Lab Full Edition
Pro Lab Product page at tobii.com http://www.tobiipro.com/product-listing/tobii-pro-lab/
Pro Lab Overview Video Demo -
 http://tobii.23video.com/tobii-pro-lab-feature-overview-screen-based
$8,910 with academic discount ($9,900 List) includes one-year Support & Upgrade Contract

2-hour online training: $550

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
This project will offer students a comprehensive, state-of-the-art clinical training experience, consistent with the CASD programs' goals of linking theoretical classroom teaching with clinical practicum. This project will strongly support students' acquisition of knowledge and skills mandated by the Council on Academic

Accreditation of the American Speech-Language Hearing Association. The project will offer the students direct experience on evidence-based practice in communication sciences and disorders. This technology can be used with children, as well as with adults from different socio-economic and language backgrounds. With the requested technology, students will be better equipped to associate theoretical knowledge with clinical questions on issues such as literacy development in children with and without language impairment, dyslexia, and other communication disorders. It will also help students to apply neuro-cognitive models of acquired language impairment following a stroke or other type of brain injury to clinical diagnosis and treatment of clients with aphasia and traumatic brain injury. The technology will be useful in interdisciplinary work involving minority populations and individuals with disability. The technology will become an important resource available to students, which can encourage, evidence-based learning, research and other scholarly activities.

This project will offer clinical training opportunities for undergraduate and graduate students enrolled in speech language pathology by exposing them to the latest technology in online language processing, speech/language diagnostics, clinical research, and evidence-based practice.

The project will maintain and enhance the learning environment, and strengthen the link between classroom and clinical practicum. It will provide opportunities for direct application of state-of-the-art computer-based technology in service delivery.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

45

b. Who will supervise the facility and how will that be funded ongoing:

Classroom instructions will be overseen by current faculty, whereas clinical work will be supervised by existing clinical personnel and staff.

There will be no additional costs incurred beyond our current instructional budget in order to provide such supervision.

c. What physical space will be used to host the facility, and who has authorized its use:

Laboratory space within the Speech Language Hearing Center will be used. The applicant of this proposal is faculty of the Speech Language Hearing Center.

d. If any renovations or furnishings will be required to support the project, how will they be funded?

No renovations will be required.

Please describe how many students will be served each term through the funding of this project, and through what means:

The technology provided in this project will benefit approximately 300 students per semester. Students who will be served by this proposal will be registered in undergraduate and graduate courses (CASD 2231, Speech and language development; CASD 3381, Nature of Speech-language disorders; CASD 4383, Treatment of speech-language disorders; CASD 5275W, Senior seminar: Current issues in speech communication; CASD 7107, Advanced Language Acquisition; CASD 7114, Instrumentation in speech and hearing; CASD 7116 Computer applications in clinical and educational practice in speech-language pathology and audiology; CASD 7211, Research in speech-language pathology and audiology; CASD 7326, Aphasia and Acquired Linguistic, Cognitive, and Communicative Disorders in Adults; CASD 7336, Literacy and language-based learning disabilities; CASD 7395 & 7396, Clinical practicum in speech-language pathology; CASD 7535, Bilingual and second language acquisition; CASD 7536, Identification, Assessment & Intervention for Bilingual and Second Language Learners). Additionally, this technology will support students' clinical laboratory and research activities beyond the classroom.

How will projected outcomes be assessed?

Student learner outcomes will be measured by:

-the number and range of clinical sessions in which students will successfully utilize advanced technological applications;

-the extent to which students will be able to self-evaluate the usefulness of technology within the clinical session;

-progress in students' academic and clinical training in keeping with models of formative and summative assessment of instruction as required by academic accrediting agencies, such as the Committee on Academic Accreditation of the American Speech Language Hearing Association.

-application of evidence-based practice in the evaluation of diagnostic and therapy outcomes.

Erica Wayne [erica.wayne@tobii.com]

To:

Klara Marton

Inbox

Friday, November 30, 2018 2:32 PM

You forwarded this message on 12/14/2018 4:54 PM.

Hello Klara,

Thanks so much for sharing some answers to those questions. I appreciate it.

Generally, we recommend our screen based eye trackers with projects that involve static participants viewing stimuli on a screen. Tobii Pro screen based systems are small and portable with an updated form factor and small wired connection between the tracker and the computer. The participant is not connected to the tracker for better mobility and natural tendencies with tracking on screens up to 25". We offer our X3 series with sampling rates of 120Hz as well as our brand new Tobii Pro Nano, sampling at 60Hz and tracks on tablets and screens up to 19". Researchers choose the Tobii Pro for high quality results and robust data combined with naturalistic testing because you will ***not*** require a chin rest or head strap for optimal tracking!

The **Tobii Pro Spectrum** series is our high quality, research grade eye tracker that includes the base eye tracker and a display screen with it and can be connected to a presenter computer/laptop. The benefits of the Spectrum series are its complete and seamless integration with the tracker and the *removable* display monitor along with a range of sampling rates, 150Hz, 300HZ, 600Hz, and now 1200Hz where all systems can be sampled down as well. Furthermore, the Spectrum comes with a parallel port for potential synchronization of other biometric equipment and eye images in the software. The Pro Spectrum accuracy and precision numbers currently lead the market. Researchers choose the Tobii Pro Spectrum for high quality results and robust data combined with naturalistic testing because you will ***not*** require a chin rest or head strap for optimal tracking!

Tobii Pro Lab is the new software suite to control and organize the overall workflow of an eye tracking study. Tobii Pro Lab was recently released about a year and a half ago as a complete eye tracking suite. You have the option to create timelines by dragging and dropping stimuli into timecards, calibration editing, timing to the millisecond, participant recording, and analysis, visualizations (heat maps and gaze plots) along with a full metrics report and gaze data export. Fixation metrics are available on the metrics report. Given you have your own experimental paradigms, you can either import them into Pro Lab as video files or use the screen recording functionality (pending release – tentative date December 2018) to record the screen as participants view your stimulus presentation.

Tobii Pro offer a FREE Pro SDK for researchers that wish to program their own analysis via compatible bindings (Matlab, Python, C+ and .Net). We recommend those interested in the Pro SDK are proficient in coding and programming. **Tobii Pro**

SDK: https://www.tobiipro.com/product-listing/tobii-pro-sdk/ Using the Pro SDK, there are plenty of researchers leveraging the pupil estimates to shed insight on cognitive load, blink rate, PERCLOS etc. Researchers can then analyze this pupil information based on your experimental design and hypothesis. Feel free to check out reference publications on the Tobii Pro Zotero page and a sharefile link that includes research and publications involving Tobii Pro eye trackers involving pupil/PERCLOS studies.

Feel free to follow the link below "Try It" to view a free trial of the software: **Tobii Pro Lab** – Try It! https://www.tobiipro.com/product-listing/tobii-pro-lab/#Tryit

Tobii Pro includes a standard academic discount for all hardware and software. At the bottom of this e-mail I shared initial pricing of our screen based systems.

I do want to note – if pupil information is your main focus, the X3-120 will likely not meet your needs based on the dual illumination technique. The Tobii Pro Spectrum would be my recommendation based on its ability to choose a single illumination method for each participant recording and its higher sampling rate possibilities.

Once I have a better idea of the specific sampling rate that interests your team, I can work up an official proposal.

Please don't hesitate to reach out via e-mail or give me a call as questions arise.

I look forward to hearing your feedback and being of further support!

Best,
Erica

*all pricing is in USD
Tobii Pro Nano Eye Tracker *– 600 Hz $3,960 with academic discount ($4,400 List)*
https://www.tobiipro.com/product-listing/nano/

Tobii X3-120 Eye Tracker *– 120 Hz $13,410 with academic discount ($14,900 List)*
http://www.tobii.com/en/eye-tracking-research/global/products/hardware/tobiipro-x3-120/
Shipping $200

Tobii Pro Spectrum Eye Tracker
1. *Pro Spectrum 1200Hz - $39,510 with academic discount ($43,900 list price)*
2. *Pro Spectrum 600 Hz - $35,550 with academic discount ($39,500 list price)*
3. *Pro Spectrum 300 Hz - $29,700 with academic discount ($33,000 list price)*
4. *Pro Spectrum 150 Hz - $24,840 with academic discount ($27,600 list price)*
Shipping $500
Pro Spectrum Product page at tobii.com - http://www.tobiipro.com/product-listing/tobii-pro-spectrum/#Specifications

Tobii Pro Lab Full Edition Software
Pro Lab Product page at tobii.com http://www.tobiipro.com/product-listing/tobii-pro-lab/

Pro Lab Overview Video Demo - http://tobii.23video.com/tobii-pro-lab-feature-overview-screen-based
$8,910 with academic discount ($9,900 List) includes one-year Support & Upgrade Contract

Tobii Pro SDK: FREE!

Optional Training (recommended)
Onsite Customized Full Day Training - $3,500
Online Customized Training - $550 per 2 hours

Tobii Pro Support Options
Basic Support: FREE
Premium Support: $990 per year

Erica Wayne
Account Manager
Tobii Pro

Phone: +1 (703) 738-1353
Web: www.tobiipro.com

School:	School of Humanities and Social Sciences
Department/Office:	Modern Languages and Literatures
Applicant Name:	Salce, Jose
Additional Applicant(s):	Llanos, Bernadita Mbom, Clement
Primary Contact for Proposal	
Email Address:	jsalce@brooklyn.cuny.edu
Phone:	718-951-5231
Estimated total cost:	$ 5,223.00

Description of Proposed Project:
1x Dell Optiplex 7060 tower
30x Sennheiser HD 201 or Audio-Technica ATH-AVC200 or similar.
30x Crucial MX500 SATA SSD

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
Researches show dramatic improvement in all skills when students are exposed to genuine materials in context, and when they can immediately make use of fresh learning either integrating it into speaking or writing production. Having access to video and multimedia materials transforms the classroom and online course settings into a living linguistic experience. The focus shifts from the instructor to the student and his/her interaction with the material and the language. The student takes charge of his/her learning, develops autonomy and becomes responsible for the learning process. The classroom as a whole becomes the linguistic community in which learning takes place.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

40

b.   Who will supervise the facility and how will that be funded ongoing:

The lab is already staffed by a Chief CLT.

No additional staffing is requested.

c.   What physical space will be used to host the facility, and who has authorized its use:

Current space with current authorization

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

No renovations or furnishing will be required.

Please describe how many students will be served each term through the funding of this project, and through what means:
-Multimedia digital content for our online courses.
-Beginning language students are required to attend the language lab weekly.
-All students enrolled in language and literature courses
-Students in advanced courses use it for film and media viewing, writing papers, proofreading/spellchecking and conducting research.
-Judaic Studies students use the lab for Hebrew language instruction.
-Option courses students use the lab's digital video holdings for screening.

How will projected outcomes be assessed?

Support classroom instruction with fully functioning lab. Students screen digital video materials and multimedia content in foreign and English languages, gather information from dialogue and visual clues, work in groups or individually to answer questions in worksheets on content and cultural aspects Students access foreign language websites and read genuine materials in context. They gather information, work individually or in small groups to translate, manipulate the information to produce written summaries or critiques of content. Website content is used for grammatical reinforcement and cultural awareness. Assessment: Oral: in class they describe or comment on the content. In language lab they record or answer questions, which can be forward to the instructor or saved onto the NAS server. These content is available to both, student and instructor. Writing: students read websites and search for specific grammar aspects, idioms, sentence structures, conventions (for example newspaper headlines). They re-use these aspects in their writing and share with classmates and instructor by email. Representative samples and best examples are used by instructor to reinforce language use habits.

STF Proposal

Department/Office Name:	MODERN LANGUAGES
Applicant Name:	Salce, Jose
Additional Applicant(s):	Mbom, Clement
	Llanos, Bernadita

Primary Contact for Proposal

Email Address:	JSALCE@BROOKLYN.CUNY.EDU
Phone:	718-951-5231

Detailed hardware description

1. Description of proposed expenditure/project:
   - Upgrade lab's multimedia encoding and content creation PC system.
   - Upgrade lab's PC systems with faster disks to shorten boot time and app loading time.
   - Upgrade headphones students use while in the lab.

   1 x Dell Optiplex 7060 tower $2,074.37
   Windows OS 64bit (Windows Pro License)
   Intel Core™ i7-8700
   32GB (2x16GB) DDR4 RAM
   AMD Radeon™ RX 550 Graphics
   500GB SSD (Main disk)
   2TB HDD (storage disk)
   8x DVD+/-RW 9.5mm Optical Disk Drive

   30 x Crucial MX500 SSD $74.99 e/o, total $2249.70
   Crucial MX500 2.5" 500GB SATA III SSD
   10 x the speed of current HDD on the system.
   Apps will load instantly saving student's time.

   30x Sennheiser HD 201 or Audio-Technica ATH-AVC200 or similar $29.99 e/o total $899.70
   Long lasting headphones for student use in a Lab setting.

Student Technology Fee Proposal #2019-201
Qualitative Data Analysis Software for Courses and Research: Atlas.ti

School:	School of Humanities and Social Sciences
Department/Office:	Sociology
Applicant Name:	Smithsimon, Gregory
Additional Applicant(s):	Pan, Yung-Yi
	Porter, Jeremy
Primary Contact for Proposal	
Email Address:	gsmithsimon@brooklyn.cuny.edu
Phone:	x 1770
Estimated total cost:	$ 9,714.00

Description of Proposed Project:
We propose installing qualitative data analysis software, called Atlas.ti, in the student computer lab operated by the sociology department. This software allows thorough, more rapid, and more flexible analysis of transcripts, content analysis of news articles and other text sources, and coding of text, image, spreadsheet, and audio files. The software can be used to process any number of documents. First the researcher "codes" different sections according to relevant topics, then the application generates reports of all of the text associated with each code. This allows the researcher to extract all of the data supporting a particular concept from their data. It is particularly valuable with large quantities of data, as when master's students conduct 30 interviews for their theses.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
All sociology majors would be trained on Atlas.ti, which is one of the two standard packages for this kind of sophisticated analysis. Most sociology students conduct qualitative research-like interviews, observations, and content analysis-for their senior theses, and would use the software then as well. Training undergraduates and master's students would give them a technical competence that would better position them for research assistant positions during graduate school, and equip them with useful tools for employment after graduation. Faculty, several of whom have used the software at other institutions, would use the software for their research as well, possibly involving students in the coding (which further trains our students with tools necessary for employment and graduate school). Faculty who have not used the software before will be trained, particularly when they will be teaching one of the courses that uses the software.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

40

b. Who will supervise the facility and how will that be funded ongoing:

Note: funding is not requested for a lab, but the software will be installed in the lab. Lab is already open; staff open and maintain the lab. Computers are maintained with an inter-departmental agreement.

c. What physical space will be used to host the facility, and who has authorized its use:

3611 James. All Brooklyn College students have access, except when classes are in session in the lab.

d. If any renovations or furnishings will be required to support the project, how will they be funded?

N/A

Please describe how many students will be served each term through the funding of this project, and through what means:
Currently, students are required to hand-code their data, which requires an exorbitant amount of time. Further, hand-coding is susceptible to human-error that could negatively affect data analysis. The Atlas.ti software streamlines coding, and keeps a consistent list of codes that prevents the limitations of hand coding. Students will

have the ability to write memos to themselves throughout their analyses, and group codes to establish working themes and allow them to organize their data.

How will projected outcomes be assessed?
Students will be graded both on their coding using the software in the lab portion of their class, and on a final paper based on that analysis. Student using the software to analyze data for their senior thesis will be assessed in both their data analysis and final thesis. These assignments are also factored into the department wide outcomes assessment.

Brooklyn College
Gregory Smithsimon
2900 Bedford Ave
Brooklyn, NY 11210
United States

Price quote

Reference number:	154841804	**Date:**	11/27/2018

(required for all inquiries)

PRODUCTS

#	Product name	Delivery	Qty.	Price
1	ATLAS.ti Educational Multi-User License 20 Users (PC + Mac) ATLAS.ti multi-user license for up to 20 concurrent users	electronic	1	$8,900.00
	BOXED CD	physical	1	$22.00

			Subtotal:	$8,922.00
			Sales tax:	$791.83
			Total:	$9,713.83

This price quote is valid for 60 days.

Upgrading the Modern Physics Laboratory

School:	School of Natural and Behavioral Sciences
Department/Office:	Physics
Applicant Name:	Nakarmi, Mim Lal
Additional Applicant(s):	
Primary Contact for Proposal	
Email Address:	mlnakarmi@brooklyn.cuny.edu
Phone:	7189515418
Estimated total cost:	$ 23,133.00

Description of Proposed Project:

The Department of Physics offers undergraduate programs leading to the B.S. and B.A. degrees. We also participate in a BA in Physics Teacher program through the Department of Education. One of the required laboratory courses for the students in these programs is the Modern Physics Laboratory (Phys 3950). We also offer a separate theory course on Modern Physics (Phys 3100), a precursor to the Laboratory course. Hence, most students take the laboratory course after completing the theory course. The laboratory course is an upper sophomore level, 4 credits course that provides hands-on experience on the topics discussed in the theory class. In this laboratory, students perform experiments that illustrate the important discoveries of twentieth century physics. This course is mainly taken by physics majors in the B.S. and B.A. programs, and BA in Physics Teacher program. Modern 20th century Physics constitutes the basis of the revolution in technology. Thus, Physics minors and engineering students also choose to take this laboratory course. This project aims to upgrade the Modern Physics laboratory by adding new experiments on additional topics of modern physics. Funding is requested to purchase some new instruments to develop these experiments for the Physics department.

We currently have three experimental set ups in this lab: Thompson experiment for the determination of the ratio of the electron charge and its mass; Michelson's interferometry; and the measurement of Planck's constant. One of the set-ups we previously used, the Franck Hertz experiment to prove the atomic states are quantized, is not in working condition due to a problem in the power supply controller. The laboratory instruments presently available for the experiments were adequate when we had a small number of physics majors. In Fall 2010, there were 8 students registered in this course. But in the last academic year when we offered this course in Fall 2018, there were 14 students. Over the past few years, the number of physics majors has increased (See graph of the number of physics majors from 2008 - 2018). There is a growing trend of number of students in interested in the physics programs. Accordingly we must provide adequate instruments for students to perform experiments. For the laboratory exercise, students are divided into groups. Different groups work on different experiments. They switch to another experiment after completing a given experiment in two or three weeks. For conceptual understanding and experimental skill development, such experiments should be ideally done in a group of two students. However, with increased number of students but the same number of instruments, we had no other options than putting more students in a group. We now have to make groups of four students working on an experiment. This is detrimental to the student acquiring the knowledge and skill required of them to perform the experiments. It is also unethical to teach more students without providing adequate instruments in the lab. In such a scenario, usually two students perform the experiment while the others tend to be observers. There is an urgent need of adding more instruments in the coming term. Furthermore, the students were exposed to only four areas in modern physics. This limits the opportunity for our students to broaden their knowledge. Additionally, our lab has not been upgraded for past two decades. With the development of new technologies, new instruments are available which are easier to handle and provide better precisions in terms of experimental results.

In this project we propose to purchase some new instruments in other fields of modern physics. The proposed instruments are for optical line spectroscopy, Zeeman Effect, Hall Effect, and speed of light. We would also like to restore the Franck-Hertz experiment. In the optical line spectroscopy, students will perform experiments in dispersion of the light from various gases and learn about energy levels associated with the corresponding atoms and their atomic structures. In the Zeeman Effect experiment, they will learn how the energy levels are split with the application of a magnetic field and appreciate the consequence of the spin-orbit angular momentum interaction they studied in theory. Similarly, in the Hall Effect measurement, students will learn about the mobility of charge carriers in solid materials, the existence of opposite type of charges in semiconductor materials and to distinguish between n- type and p-type semiconductors. We would also like to offer a classical way of measuring the speed of light and compare with a modern method by using an optical fiber. The list of items, quantities, their estimated cost and the names of the manufacturer are listed in the attached table.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
The fulfillment of this request will have a direct impact on the learning capability of students because it will make available the updated instruments needed to perform the experiments. The Modern Physics course constitutes the foundation to the upper level physics courses including quantum mechanics. The fulfillment of this request for the expansion of the Modern Physics Laboratory will also broaden our students' knowledge on modern physics. With the use of the new instruments, our students will have an opportunity to perform experiments on more areas of modern physics and thereby gain further knowledge. Presently, we have to put 4 students to work together in each experimental set up. It is not possible for all the students to be actively involved. Usually two perform the experiment whilst the others tend to be observers. This is not pedagogically sound. Each student needs hands-on experience.
Hence, the main objective of the proposal is to ensure that there are enough experimental set ups so that students can work in groups of two, and to provide new instruments to perform experiments on various areas of modern physics.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

4 hours

b. Who will supervise the facility and how will that be funded ongoing:

We have a CLT in the department to supervise the facility.

c. What physical space will be used to host the facility, and who has authorized its use:

Room 4400 Ingersoll will be used for this laboratory. It is the room currently being used for this lab in the Physics department.

d. If any renovations or furnishings will be required to support the project, how will they be funded?

No major renovation or furnishing will be required to support this project.

Please describe how many students will be served each term through the funding of this project, and through what means:
We have about 70 physics majors in undergraduate programs. With the addition of new instruments, it will serve up to 20 students each term. This is the maximum number of students we can accommodate as constrained by the lab space available in the room. An important point to note is that these instruments do not need to be replaced for several years. They will be in use for our students at least for a decade or so.

How will projected outcomes be assessed?
Assessment of the student's outcomes will be made from both qualitative and quantitative measures of learning outcomes via questionnaires and short tests. Qualitative measure will be obtained via feedback from students at the end of semester. Feedback will also be collected from instructors for qualitative assessment. Our majors go on to take the Physics 4900 Advanced Lab, in which they are given more independence: their performance in this lab will be used to assess the success of the modern physics lab.
For quantitative measure we will compare the grades of the students' semester end lab final exams results with those of previous years. We will also compare the final grade awarded in this course.

Students Enrolled in Physics Programs
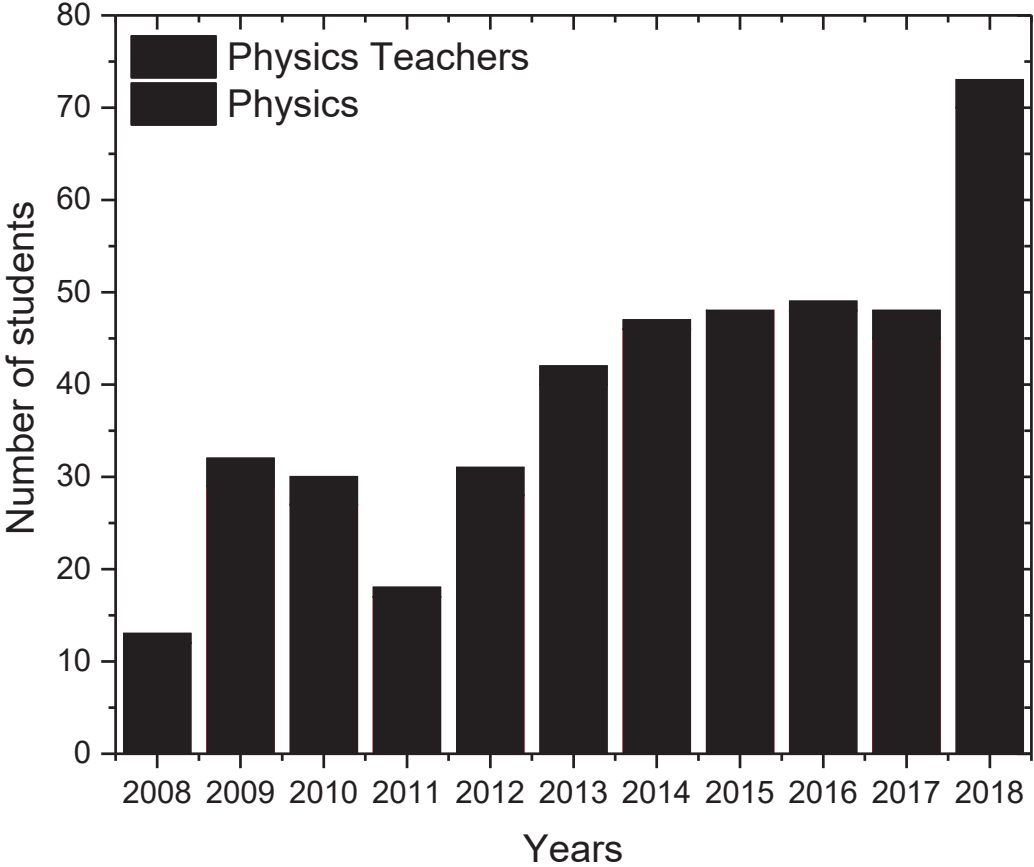
American 3B Scientific, LP
2189 Flintstone Dr, Suite O
Tucker, GA 30084
3BScientific.com | 1-888-326-6335

Quote

Date	12/7/2018	**Customer**	C87399
Expiration Date	1/7/2019	**Sales Rep**	Brad Butkovich
Quote	SQ1703949	**Email**	brad.butkovich@a3bs.com
Shipping Terms	FOB Atlanta	**Phone**	(678) 405-5609
Reference		**Fax**	(770) 492-0111

Bill To	Ship To
Accounts Payable Brooklyn College-CUNY 2900 Bedford Ave Boylan, RM 1424 Brooklyn, NY 11210 United States	Accounts Payable Brooklyn College-CUNY 2900 Bedford Ave Boylan, RM 1424 Brooklyn, NY 11210 United States

ID	Description	Qty	Weight	Tariff Num...	List Price	Unit Price	Amount	Expect...
U8482550-...	Franck-Hertz Hg Heat Chamber Premium (115 V 50/60 Hz)	1	12.68316	9023000000	2,510.00	2,259.00	2,259.00	12/8/2018
U8482530-...	Franck-Hertz Power Supply Premium (115 V 50/60 Hz)	1	9.1728	9023000000	1,646.00	1,481.40	1,481.40	12/8/2018
U118091	Digital Multimeter P3340	1	0.66	9023000000	73.00	65.70	65.70	1/21/2019
U11255	High-Frequency Patch Cord 1 m	1	0.16	9023000000	20.00	18.00	18.00	12/8/2018
U11257	High-Frequency Patch Cord BNC	1	0.09	9023000000	36.00	36.00	36.00	12/8/2018
U138021	Set of 15 Safety Experiment Leads, 75cm	1		85444290	107.50	96.75	96.75	2/9/2019
	Shipping	1			65.95	65.95	65.95	

Total $4,022.80

This offer is subject to final confirmation, and the following stipulations must be observed prior to the remittance of funds, and prior to shipment.

1. Validity: Prices valid until 1/7/2019
2. Price and Quantities: The stated prices are calculated on the basis of the requested quantities of all products mentioned and can differ if partial orders are taken.
3. Acceptable Terms of Payment: By wire transfer (T/T) of funds in advance to our bank account, by credit card, COD or direct debit.
    Bank Account Information:
        Bank of America, 600 Peachtree St. NE., Atlanta, GA. 30308, USA
        Account No: 4451283595
        Domestic Wire Routing No.: 026009593
        ACH/EFT Routing No.: 111000025
        International Wires Swift Code: BOFAUS3N
4. Legalization: If legalization is required, the cost will be charged to the purchaser.
5. Delivery Terms: FOB Atlanta
6. Packing and Packaging: Goods are supplied in 3B customary export packing and packaging. Extra packing/packing requirements are to be negotiated and are subject to additional charges.
7. Delivery Time: Approximately 11 weeks after receipt of confirmed, irrevocable order. Delivery time is quoted on the basis of an up-to-date production schedule and is therefore subject to change.
8. Product Alteration: 3B Scientific reserves the right to make minor alterations to the offered items, without prior notification to the customer.
If it is necessary to obtain an approval in accordance with German or European foreign trade regulations or US export control regulations to fulfill the offered legal transactions, consignments or services, then completion of the contract will depend upon receiving this approval. If approval is not given or adhered to or if collateral clauses are not fulfilled the contract ceases to be effective. Delivery only possible if no legal regulations prevent shipment on exporting day.

American 3B Scientific, LP
2189 Flintstone Dr, Suite O
Tucker, GA 30084
3BScientific.com | 1-888-326-6335

Quote

Date	12/7/2018	**Customer**	C87399
Expiration Date	1/7/2019	**Sales Rep**	Brad Butkovich
Quote	SQ1703947	**Email**	brad.butkovich@a3bs.com
Shipping Terms	FOB Atlanta	**Phone**	(678) 405-5609
Reference		**Fax**	(770) 492-0111

Bill To	Ship To
Accounts Payable Brooklyn College-CUNY 2900 Bedford Ave Boylan, RM 1424 Brooklyn, NY 11210 United States	Accounts Payable Brooklyn College-CUNY 2900 Bedford Ave Boylan, RM 1424 Brooklyn, NY 11210 United States

ID	Description	Qty	Weight	Tariff Num...	List Price	Unit Price	Amount	Expect...
U8487000	Hall Effect Basic Apparatus	1	1.4112	9023000000	830.00	830.00	830.00	12/8/2018
U8497215	U-Core w/ M6 threaded hole	1	8.1585	9023000000	149.00	149.00	149.00	12/8/2018
U8497205	Pair of Pole Shoes and Clamp Brackets for Hall Effect	1	4.2777	9023000000	92.00	92.00	92.00	12/8/2018
U8497430	Dismantlable Transformer 600 turns	1	2.4696	9023000000	140.00	140.00	140.00	12/8/2018
U33020-115	DC Power Supply 0-20V 0-5A (115 V 50/60 Hz)	1	12.01725	9023000000	348.00	348.00	348.00	12/8/2018
U8533997	Axial-tangential field probe	1	0.84	9023000000	416.00	416.00	416.00	12/8/2018
U138021	Set of 15 Safety Experiment Leads, 75cm	1		85444290	107.50	107.50	107.50	1/16/2019
U33300-115	Transformer W/ Rectifier 3/6/9/12V 3A (115 V 50/60 Hz)	1	6.07	9023000000	237.00	237.00	237.00	1/22/2019
U8487020	P-Doped Germanium on Printed Circuit Board	1	0.002205	9023000000	760.00	760.00	760.00	12/8/2018
U8487030	N-Doped Germanium on Printed Circuit Board	1	0.002205	9023000000	760.00	760.00	760.00	12/8/2018
U8487010	Undoped Germanium on printed circuit	1	0.3969	9023000000	760.00	760.00	760.00	2/15/2019
	Shipping	1			65.95	65.95	65.95	

Total	**$4,665.45**

This offer is subject to final confirmation, and the following stipulations must be observed prior to the remittance of funds, and prior to shipment.

1. Validity: Prices valid until 1/7/2019
2. Price and Quantities: The stated prices are calculated on the basis of the requested quantities of all products mentioned and can differ if partial orders are taken.
3. Acceptable Terms of Payment: By wire transfer (T/T) of funds in advance to our bank account, by credit card, COD or direct debit.
    Bank Account Information:
        Bank of America, 600 Peachtree St. NE., Atlanta, GA. 30308, USA
        Account No: 4451283595
        Domestic Wire Routing No.: 026009593
        ACH/EFT Routing No.: 111000025
        International Wires Swift Code: BOFAUS3N
4. Legalization: If legalization is required, the cost will be charged to the purchaser.
5. Delivery Terms: FOB Atlanta
6. Packing and Packaging: Goods are supplied in 3B customary export packing and packaging. Extra packing/packing requirements are to be negotiated and are subject to additional charges.
7. Delivery Time: Approximately 11 weeks after receipt of confirmed, irrevocable order. Delivery time is quoted on the basis of an up-to-date production schedule and is therefore subject to change.
8. Product Alteration: 3B Scientific reserves the right to make minor alterations to the offered items, without prior notification to the customer.
If it is necessary to obtain an approval in accordance with German or European foreign trade regulations or US export control regulations to fulfill the offered legal transactions, consignments or services, then completion of the contract will depend upon receiving this approval. If approval is not given or adhered to or if collateral clauses are not fulfilled the contract ceases to be effective. Delivery only possible if no legal regulations prevent shipment on exporting day.

PASCO

Quote

Quote Number	
QT106189	
Quote Date	Page
5-Dec-2017	1 of 2
Expire Date	Payment Terms
30-Jan-2019	NET 30

Billing Address 00001170	Shipping Address 1170-18
	Attn: Mim LA Nakarmi
Brooklyn Clg CUNY	Brooklyn Clg
Accts Payable	Physics Dept Rm 3438N
Boylan Rm 1424	2900 Bedford Ave
2900 Bedford Ave	Brooklyn, NY 11210
Brooklyn, NY 11210	United States
United States	Email: mlnakarmi@brooklyn.cuny.edu

Incoterms: 2010 DAP Brooklyn, United States

LN	Item	Description	Qty	UM	Price	Extended Price
2	SE-9654	Zeeman Effect	1	EA	$ 8,000.00	$ 8,000.00
	Includes:					
	SE-9655	Electromagnet	1			
	SE-9656	Tunable DC Power Supply	1			
	SE-9657	Zeeman Optics	1			
	UI-5401	PASCO Capstone, Single User License	1			
3	SF-7579A	Tesla Meter	1	EA	$ 590.00	$ 590.00
4	EX-9932A	Speed of Light	1	EA	$ 5,900.00	$ 5,900.00
	Includes:					
	012-12021	INSTR, PHY EXP RESOURCES	1			
	OS-8514	Mini Laser with Bracket	1			
	OS-9103	Adv Optics 1 m Bench	1			
	OS-9107	Adv Optics Component Carrier	3			
	OS-9109	Adv Optics Calibrated Polarizer	2			
	OS-9133	Adv Optics Double Convex Lens 48 mm	1			
	OS-9135	Adv Optics Plano Convex Lens 252 mm	1			
	OS-9172	Adv Optics Laser Align Bench	1			
	OS-9262A	Speed of Light Comp	1			

Quote

Quote Number	
QT106189	
Quote Date	Page
5-Dec-2017	2 of 2
Expire Date	Payment Terms
30-Jan-2019	NET 30

PASCO

Tax Date:		7-Dec-2017	Subtotal:	$	14,490.00
Non-Taxable Amount:	$	14,444.30			
Taxable Amount:	$	0.00	3% Discount:	$	-434.70
			Shipping and Handling	$	389.00
			Tax:	$	0.00
			Total:	$	14,444.30

10101 Foothills Blvd., Roseville, CA 95747-7100 USA

www.pasco.com | Phone: 800-772-8700 or 916-786-3800 | Fax: 916-786-7565 | Email: custserv@pasco.com or support@pasco.com

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American 3B Scientific, L.P.
Sole Source Statement

3B Scientific

To Whom It May Concern:

This letter serves as notification as a sole source document for items listed on quotes SQ1703947 and SQ1703949, which are supplied by the 3B Scientific Group, of which American 3B Scientific, L.P. is an affiliate. No other organization offers this specific product.

Brad Butkovich

Head of Customer Service

American 3B Scientific, L.P.

2189 Flintstone Drive, Suite O

Tucker, GA 30084 USA

QUALITY MANAGEMENT | ISO 9001:2008

3bscientific.com

PASCO

10101 Foothills Boulevard	Phone: 916-786-3800	ISO 9001 Certified
Roseville, CA 95747-7100 USA	Fax: 916-786-8905 www.pasco.com	

Dec 7, 2018

Brooklyn Clg

Physics Dept Rm 3438N
Brooklyn, NY 11210

Attn: Mim LA Nakarmi

RE: Sole Source Manufacturer/Supplier Items on Quote QT106189

Thank you for your interest in PASCO scientific. We appreciate the opportunity to provide you with this letter listing which of the products on your quote will be PASCO sole source. As a designer, manufacturer, distributor, and marketer of physics apparatus, computer interfacing and software, PASCO supplies many products which are not available elsewhere. The following equipment is a list of sole source products appearing on PASCO Quote QT106189.

Part Number	Description
EX-9932A	Speed of Light
SE-9654	Zeeman Effect

These products are designed and developed by teachers and manufactured for durability. This enables students to integrate the principles of science with an effective hands-on learning experience in a laboratory setting.

PASCO offers special pricing to educators and educational institutions. Please feel free to contact me if you require additional assistance or information. Thank you again for choosing PASCO scientific.

Sincerely,

Sarah Crebassa
PASCO scientific

screbass@pasco.com

List of the instruments for Modern Physics Lab:

Item	Quantity	Est. price	Company
Zeeman Effect apparatus (SE-9654)	1	$8000	PASCO
Tesla meter (SF-7579)	1	$590	PASCO
Speed of light apparatus (EX-9932A)	1	$5900	PASCO
Hall effect experiment set up	1	$4665	3B Scientific
Franck-Hertz experiment set up	1	$4023	3B Scientific
Shipping		$389	

3% discount from PASCO: - $434.70

Total estimated cost $23133

Enhancing Molecular Biology techniques in General Biology 1 and 2 Laboratories

School: School of Natural and Behavioral Sciences
Department/Office: Biology
Applicant Name: Shrestha, Rina
Additional Applicant(s): McEntee, Catherine
Primary Contact for Proposal
    Email Address: rshrestha@brooklyn.cuny.edu
    Phone: 718-951-6552
Estimated total cost: $ 20,180.00

Description of Proposed Project:
Whether students are planning to pursue careers in the sciences or in the health-related fields they should have a basic knowledge in molecular and cellular biology techniques. Particularly as Brooklyn College, and President Anderson in particular, emphasize the importance of internships and other training opportunities it is imperative that laboratory courses provide students with an opportunity to learn fundamental skills in molecular and cellular biology. These skills run from isolating DNA to cloning to running agarose and protein gels to more technical skills such as Polymerase Chain Reaction (PCR) and genomics. General Biology 1 and 2 laboratories are designed to teach several of the most important techniques in molecular and cellular biology. We are currently using molecular techniques such as Isolation, purification and analysis of DNA and protein, gel electrophoresis, Western Blot and PCR.

We are continuously updating experiments in General Biology 1 and 2 using quantitative and molecular biology techniques so that our students are up to date in the techniques currently used in the real world. The ability to use a spectrophotometer is a fundamental skill used in biological, chemical and even physical laboratories. It is a tool that allows one to quantitatively measure transmission, absorption or reflection of visible light or UV light. It provides a foundation to determine the concentration of protein, DNA or RNA and is used to measure enzymatic reactions. As an example, our Biology 2 laboratory students study the primary and secondary pigments that are necessary for absorbing energy during photosynthesis in plants. The presence and amount of photosynthetic pigments such as chlorophyll can be determined from absorption spectrum using a spectrophotometer in which the proportion of light transmitted and absorbed at various wavelengths by the different pigments is measured. In the absorption spectrum these pigments can be determined within wave length ranges between 400 to 700 nanometers.

Due to the limited quantity of spectrophotometers (one spectrophotometer for 8 students) instructors are reporting that students are not gaining enough hands-on experience in learning how to use a spectrophotometer at a mastery level. In fact, what has been observed is that 1-2 students out of the 8 perform all the measurements leaving the majority of the students woefully unskilled in the use of spectrophotometers. To alleviate this problem, we are requesting to purchase 6 spectrophotometers. The addition of 6 spectrophotometers will enable laboratory instructors to have greater control in ensuring all students learn how to use it. In addition, if more spectrophotometers were available, it is anticipated that an experiment in enzyme kinetics will be incorporated into the Biology 1 enzyme laboratory.

As mentioned above, students in our Biology 2 laboratory perform a significant number of molecular biology experiments. These include isolation of DNA from bacteria (E.coli), performing PCR to identify genetically modified organisms (GMOs) and isolation of protein from different fish samples in order to run SDS-PAGE and Western Blot to separate and analyze the amount of protein in the fish. Students also perform a bacterial transformation in which a cloned DNA molecule is inserted into bacteria which enable the bacteria to glow. All of these experiments, and others not mentioned, require students to have a mastery of pipetting small volumes of reagents that are in the microliter range. This is an important skill that is used routinely in every laboratory involved in molecular, cellular, developmental, genetic, biochemistry and immunological research across the globe. As with using the spectrophotometer, a set of fixed volume micropipette is shared among groups of 4 students each. The result of this sharing is that not all students get to use the micropipettes in a manner that will provide mastery of micropipetting by the end of the semester.

This proposal seeks to provide more spectrophotometers and micropipettes in the Biology 1 and Biology 2 laboratories to better ensure all students will not only get the opportunity of hands-on experience on these techniques but also master these techniques. This proposal requests funding to purchase 6 Spectrophotometers and 12 Micropipettes. The equipment requested will be used by approximately 700 students per semester.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
New technologies in education and research field are shaping the future of the world these days. This request will have a direct impact on student learning by providing an environment for quality education and better understanding that meets today's standard. Additionally, the availability of adequate equipment on molecular technique facilitates the students' active involvement and obtaining more accurate data for further analysis. Under the current circumstances it is not possible for all students to actively involve when there is only one spectrophotometer for 8 students and one set of micropipettes for 4 students (there are total 24 students in each lab). This situation forces only one student to perform the experiment while others are just observing. Having at least one spectrophotometer for a group of 4 students and a set of micropipettes per two students so that everyone in the group can actively participate in the experiments.
Students need to use micropipettes in 10 out of 14 total labs, to perform the experiment in General Biology 2 labs. Mastery of this skill will significantly improve data collection for quality research and is an important skill research laboratories look for in choosing interns and volunteers to do research.
The main objective of this proposal is to train and engage students actively in scientific inquiries in which they will learn the concept behind the process of the experiment and master two important skills that are used in a wide array of research fields including medical to PhD training program.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

75-80

b.   Who will supervise the facility and how will that be funded ongoing:

There are three CLTs in the department charged with supervise the facility.

c.   What physical space will be used to host the facility, and who has authorized its use:

Room 2207, 2213 and 2239 Ingersoll will be used for these laboratories. These are the rooms currently being used

for these labs in Biology department.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

No major renovation or furnishing will be required to support this project.

Please describe how many students will be served each term through the funding of this project, and

through what means:
During Spring 2018 we offered a total of 27 sections of General Biology labs (15 Biology 2 and 12 Biology 1 sections) that have an enrollment of about 650 students. In Fall 2018 we currently are offering 5 sections of Biology 2 labs (with an anticipation of adding 5 more labs bringing it to 10) and 23 Biology 1 labs. Thus, we expect the enrollment in the Spring 2019 will be more than 700 students. Therefore, the requested instruments will serve approximately 700 students every semester in General Biology 1 and 2 laboratories to perform cell and molecular biology and genetics experiments.
We expect these instruments will serve for 10-15 years after purchasing new ones.

How will projected outcomes be assessed?
Project outcomes will be assessed by instructors and students feedback at the end of the semester. Questionnaires will be given to both lab instructors and students at the end of the semesters in Spring 2019 and Fall 2019.

List of instrument and price

Item	Price	Quantity	Total
Spectrophotometers	$ 2580	6	$ 15480.00
Micropipettes	$ 375	12	$ 4500
Estimated shipping cost	Shipping		$ 200
		Total	**$ 20,180**

Audio-Visual Equipment for the ECC

Department/Office:	Early Childhood Center
Applicant Name:	Shannon, Jacqueline
Additional Applicant(s):	Moran, Maryann
	Goddard, Colleen

Primary Contact for Proposal

Email Address:	shannon@brooklyn.cuny.edu
Phone:	646-438-5655
Estimated total cost:	$ 125,000.00

Description of Proposed Project:

The Early Childhood Center (ECC) supports the education, training, development, and research efforts of all Brooklyn College students and faculty.

The proposed project will allow the Early Childhood Center to replace a broken down high-tech audio/visual system that was installed in the ECC in 2004 to record infants and young children's development, interactions and teacher-child interactions. Unfortunately, the system is broken and outdated. We have 6 early childhood classroom and would install 4 cameras in each classroom.

The original video system served hundreds of Brooklyn College students from multiple departments and programs, including early childhood education, psychology, sociology, health sciences, physical education, speech & hearing as well as others. Students were able to unobtrusively observe children ages 4 months through 4 years in their classroom setting. Recordings of classroom activity, as well as following a particular child to study areas of development were possible. These recordings were also valuable tools for professors to use in class presentations. In addition, ECC student-parents were able to observe their children throughout their child's day. Permission to use the system to observe and study children for Brooklyn College educational purposes was always obtained before student-parents enroll their child in the ECC programs.

Note: video/audio recordings would not run constantly. Permission from teachers etc. would occur prior to recordings to focus on specific pedagogical moments, teacher-child interactions, child development etc.

Also, the estimated cost is $125,000, however, we will be pursuing additional funding and the vendor is working on a cost estimate that has the work done in two to three phases.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?

Undergraduate and Graduate students at Brooklyn College from a variety of disciplines and departments (e.g., early childhood education, art education, psychology, speech and language) will be able to closely observe infants, toddlers and young children ages 4 months through 4 years in their classroom setting. Live observations and recordings of actual early childhood classroom activity, interventions, as well as close observations and assessments of children's development across all domains (motor, language, speech, peer-social interactions, etc., will allow students to connect research and theory with their direct practice and observations for multiple courses. Further, the ability for student-parents to monitor and observe their young children throughout the day offers crucial peace of mind that will allow them to concentrate better on their studies. Retention and graduation are often dependent on improved grades.

Objectives:

1) Brooklyn College students will have audio/visual access to early childhood classrooms to enhance and support related academic studies and teacher practice skills and knowledge related to all aspects of child development, curricula planning, pedagogy in practice, room arrangement and other related knowledge through observation.

2) Brooklyn College faculty will have audio/visual access to early childhood classrooms as well as the ability to record scenes of actual teacher practice and child observations to be used in classroom instruction. This will enhance and support related academic studies and teacher practice skills and knowledge related to all aspects of child development, curricula planning, pedagogy in practice, room arrangement and other related knowledge through observation.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

M-F; 9-4

b.   Who will supervise the facility and how will that be funded ongoing:

The ECC Directors and other office management are available during operational hours.

c.   What physical space will be used to host the facility, and who has authorized its use:

The existing Observation Booth, the Family Learning Center and Director's offices will all have monitors will some modified access on the Family Learning Center and Observation Booth.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

No furnishing or renovations are anticipated. Assistance with placing cameras/audio on the ceilings and linking the camera to a computer and/or TV monitor may be needed. IT work with the CVI team.

Please describe how many students will be served each term through the funding of this project, and through what means:

A minimum of over 1000 Brooklyn College students would be benefit from this project each year. All 700 early childhood education/art education students in our programs(475 undergraduate and 225 graduate students) and 40 graduate Art Education students; childhood education students from CBSE taking the "Art Across the Curriculum", Foundation and Child Development courses (200 students per semester) will benefit from access the 6 Early Childhood classrooms. ALL current and future ECE undergraduate and graduate students will be required to observe infants and toddlers attending the Early Childhood center.   Once these cameras are installed, it would allow a larger number of students from a variety of BC departments to observe young children in the ECC for their courses (E.g., psychology, kinesiology, speech and language).

Finally, the 80 Brooklyn College student-parents whose children attend the ECC will be able to use the booths to observe their children once the video cameras are placed in the classrooms.

How will projected outcomes be assessed?

Utilization records will be maintained. Semi-annual surveys through Survey Monkey will assess the perceived benefits of access. Also, student-parents will have audio/visual access to their child's classroom while their child is in attendance

BROOKLYN COLLEGE
**EARLY CHILDHOOD CENTER**
JAMES HALL #1604
Clinic Observation Recording System
FAMILY LEARNING & RESOURCE CENTERS
System Sketch

(not to scale)

CVi
N66W38493 N. Woodlake Cir.,
Oconomowoc, WI 53066
Ph 262-569-1986

LEGEND

**Wall-Mount Fixed
Dome Camera**

Microphone

2203
UPSTAIRS FAMILY
LEARNING &
RESOURCE CENTER

1606
FAMILY LEARNING &
RESOURCE CENTER

INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS
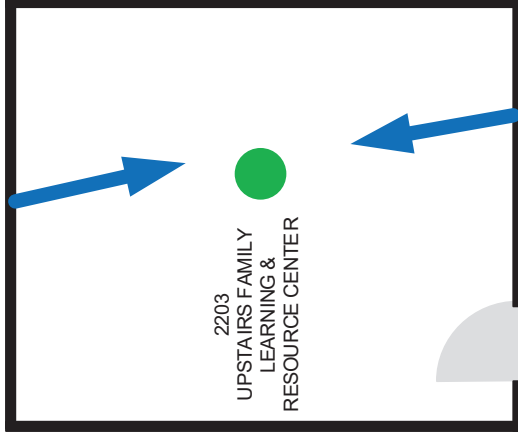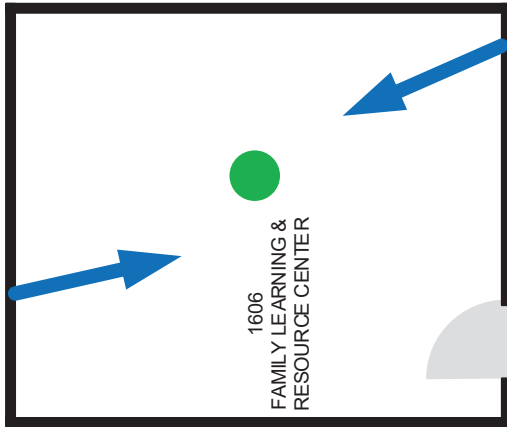
STANDARD TERMS AND CONDITIONS OF SALE

1. Your order is accepted but acceptance is expressly conditioned upon acceptance by you of these terms and conditions. The agreement between Seller and Buyer (the "contract") with respect to the products (the "products") and/or services (the "services'") shall consist of the terms contained herein together with any additions or revisions of such terms mutually agreed to in writing by Seller and Buyer. Seller objects to and shall not be bound by any additional or different terms, whether printed or otherwise, in any purchase order or other communication from Buyer to Seller unless specifically agreed to by Seller in writing. Prior courses of dealing, and verbal agreements not reduced to a writing signed by Seller, to the extent they modify, add to or detract from the contract, shall not be binding on Seller. Failure by Seller to exercise any right or remedy under the contract will not be deemed a waiver of such right or remedy unless in a writing signed by Seller, nor shall any waiver be implied from the acceptance of any payment. No waiver by Seller of any right shall extend to or affect any other right, nor shall a waiver by Seller of any breach extend to any subsequent similar or dissimilar breach. The contract shall be for the benefit of Seller and Buyer and not for the benefit of any other person. Buyer may not assign this contract without the express written approval of Seller. Any provision of this contract that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be limited or eliminated to the minimum extent required by that jurisdiction, and the remaining provisions of the contract will remain in full force and effect.

2. This contract may not be modified or rescinded except by a writing signed by Seller and Buyer. If all or part of the contract is terminated by such modification or rescission, Buyer, in the absence of a contrary written agreement between Seller and Buyer, shall pay termination charges based upon cost determined by accepted accounting principles, plus a reasonable profit on the entire order. Cost shall include any amount Seller must pay to its suppliers due to any termination by Seller of a purchase order for products or services intended for Buyer.

3. Buyer shall pay the purchase price for the products on Delivery and where installed on-site, within THIRTY (30) days from receipt of a proper invoice.

4. Any tax or other governmental charge upon the provision of services, or the production, sale, shipment, transfer, consumption, or use of the products which Seller is required to pay or collect from Buyer shall be paid by Buyer to Seller, unless Buyer furnishes Seller with exemption certificates acceptable to taxing authorities. Such amount shall be due whether or not included on the invoice.

5. Shipping date or other applicable performance date is estimated on the basis of immediate receipt by Seller of Buyer's order and all information, drawings and approvals to be furnished by Buyer, and the absence of delays, direct or indirect, resulting from or contributed to by circumstances beyond Seller's reasonable control. Seller will in good faith endeavor to ship products or perform services by the estimated date. Seller shall have the right to make partial shipments. All changes in specifications or estimated shipping or performance date will be by mutual written agreement of Seller and Buyer and where such changes affect Seller's time or cost of performance, an equitable adjustment in estimated shipping/performance date or purchase price, or both, will be made. Prior to shipping, Seller, if requested, will afford Buyer a reasonable opportunity to inspect the products in Seller's plant. If no packaging, loading or bracing requirements are stated, Seller will comply with minimum specifications for the method of transportation specified. If no method of transportation is specified, shipment will be by a reasonable method of transportation.

6. Buyer shall submit all claims for shortages in writing to Seller within thirty (30) days from the date that Buyer receives the products; otherwise such claims shall be waived. The purchase price for products will equal the unit price multiplied by the quantity shipped.

7. Seller passes on and assigns to Buyer the warranties made to Seller by its suppliers, which at a minimum, include a warranty that the products at the time of shipment to Buyer will be free from defects in materials and workmanship, and will be materially in accordance with specifications provided by the manufacturer. Seller's warranty in its entirety shall be deemed limited to and shall not extend beyond such manufacturers' warranties, except where stated. The length of the warranty period will be the length established by the manufacturer of the product and if no length is specified by the manufacturer, shall in no event extend beyond one (1) year from the date of shipment. Buyer shall proceed exclusively and directly against such supplier at Seller's request. This warranty does not cover wear and tear and shall be ineffective and shall not apply to products that have been subjected to misuse or abuse, neglect, accident, damage, improper installation, or maintenance. Buyer will inspect the products upon delivery and will promptly notify Seller in writing of any defect in the products. Seller's sole obligation under these warranties will be limited to either, at Seller's option and expense, repairing or furnishing a replacement for the products or parts thereof which Seller reasonably determines do not conform with these warranties, and Buyer's exclusive remedy for breach of any such warranties will be enforcement of such obligation of Seller. All transportation costs of and in-transit risk of loss and

returned to Buyer, will be borne by Buyer. No agent, employee or representative of Seller has any authority to bind Seller to any representation, affirmation or warranty concerning the products and any such representation, affirmation or warranty shall not be deemed to have become part of the basis of this contract and shall be unenforceable. Seller will perform the services in accordance with Seller's customary procedures. Seller makes no warranty that software will operate uninterrupted or error free. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF, AND BUYER WAIVES ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED, ARISING BY LAW (STATUTORY OR OTHERWISE) AND WHETHER OR NOT OCCASIONED BY SELLER'S NEGLIGENCE.

8. IN NO EVENT SHALL SELLER OR ITS SUPPLIERS BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, OR CONSEQUENTIAL DAMAGES, HOWEVER ARISING, INCLUDING SUCH DAMAGES OCCASIONED BY SELLER'S NEGLIGENCE, nor shall Seller's liability on any claims for damages arising out of or connected with the contract or the manufacture, sale, delivery or use of the products exceed the purchase price of the products and/or services giving rise to the claim. Seller shall not be liable for any failure to perform its obligations under the contract resulting directly or indirectly from or contributed to acts of God, acts of Buyer, civil or military authority, fires, strikes or other labor disputes, accidents, floods, war, riot, inability to secure material or transportation facilities, acts or omissions of carriers, or any other circumstances beyond Seller's reasonable control. Seller shall have no liability under this contract than otherwise expressly provided in this contract.

9. Buyer understands that products supplied by Seller may be subject to the jurisdiction of U.S. export controls and trade sanctions, and Buyer represents and warrants that it will not violate U.S. export-related laws with respect to products supplied by Seller.

10. Buyer will not disclose or make available to any third party Seller's data or other proprietary information without Seller's prior written authorization.

This contract shall be governed by the Uniform Commercial Code ("UCC") as adopted in the State of Seller's principal place of business as effective and in force on the contract date. Wherever a term defined by said UCC is used in these terms and conditions, the definition contained in the UCC is to control. Any action for breach of the contract or any covenant or warranty must be commenced within one (1) year after the cause of action accrues.

Date:	**Wednesday, December 5, 2018**				ESTIMATE No:	**1812051**

CVi

INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS
N66W38493 North Woodlake Circle, Oconomowoc, WI 53066

Ph:262-569-1986   Fax: 262-244-1495

Issued To:	CUNY Brooklyn College
Contact:	Colleen Goddard
	Education Director, ECC
	Early Childhood Center, James Hall #1604
Address:	2900 Bedford Ave.,
	Brooklyn NY 11210
Phone:	718.951.5431
Fax:	718.951.4658
Email	Colleen.Goddard@brooklyn.cuny.e
Cell:	

By:	**Richard Bungey**
Phone:	262-569-1986
Fax:	262-244-1495
Cell:	262-490-3618
Email:	richard@cvisecurity.com
US Tax #	20-0354755

COST ESTIMATE

CUNY BROOKLYN COLLEGE

EARLY CHILDHOOD CENTER

10 ROOM, OUTSIDE PLAY AREA, 23 CAMERA CLINIC OBSERVATION RECORDING SYSTEM (CORS)

Item	Part No.	Description	Qty	$ ea	$Total
	CAMERAS				
1	Z4-01060001	Axis P3375-V Fixed Dome Network Camera, Vari-focal 3-10 MM P-iris Lens, Remote Focus & Zoom, 1080p	5	$ 765.00	$ 3,825.00
2	Z4-01146001	Axis M5525 PTZ Dome network camera Ceiling/wall mount 1080P 10x zoom(w/Accessories)	1	$ 1,095.00	$ 1,095.00
2A	Z4-01172001	Axis T94P01L Recessed Mount (for M5525-E PTZ camera	1	$ 109.50	$ 109.50
3	Z4-0588001	P5414-E PTZ Dome Network Camera, Wall-Mount, HDTV 720p, 18x Optical Zoom	17	$ 1,726.92	$ 29,357.64
	AUDIO				
4	LO-LE510	Verifact AGC Microphone Omni-directional, within 50' diameter circle	18	$ 172.50	$ 3,105.00
5	LO-IFPX	IF-PX PoE Power Extractor	5	$ 324.00	$ 1,620.00
	SERVER/SOFTWARE				
6	10024	Model R1X12S, 1 U Rackmount Video Appliance - 12TB RAID 5 Storage - Intel E3-1230v5CPU; 32GB memory; Minimum Video Storage - 6,000hrs w. 1080P res. Cameras, 8,000hrs w. 720P res. Cameras; supports up to 25 cameras	1	$ 9,562.50	$ 9,562.50
7	10039	VALTBASE, Required all IVS VALT Appliances. Includes core VALT components and perpetual license of Wowza Streaming Engine	1	$ 1,800.00	$ 1,800.00
8	53011	VALT1E, VALT Enterprise Camera License: Required for each IP Camera or Video Encoder connected to VALT. One time perpetual license. Unlimited user and workstation support. Enterprise License supports an unlimited number of cameras and servers. Includes advanced features such as SSL/TLS encryption, LDAP Authentication and distributed media server architecture	23	$ 2,092.50	$ 48,127.50
	SOFTWARE SUPPORT AGREEMENT				
9	90029	SSA25, Annual Software Support Agreement. Tiered pricing based on total VALT licenses; 16-25 Licences. Active SSA contract required to receive unlimited IVS Help Desk support. Includes access to VALT updates and major feature upgradesreleased at minimum biannually	3	$ 3,000.00	$ 9,000.00
10	**CABLES/ MISCELLANEOUS**	Qty	1	$ 250.43	$ 250.43
	INSTALLATION SERVICES				
11	90020CV	ONTRNG, On-Site VALT Training: IVS Certified engineer to host onsite trainingtailored to end user use cases. Travel costs not included	1	$ 1,125.00	$ 1,125.00
12	90014CV	ONINST, On Site VALT Configuration: IVS Certified engineer to travel on siteto fully configure VALT Server with cameras, users, permissions and administrative settings. Travel costs not included	1	$ 1,500.00	$ 1,500.00
13	90050CV	ONINST, On Site VALT Installation. IVS Certified engineers to travel on site to install VALT Server, cameras, microphones and other devices. Installation travel costs not included. Includes 3 months on-site warranty on completion of Installation at no additional travel cost	80	$ 120.00	$ 9,600.00
14	900501CV	Project Management, Software Set-up/Training	4	$ 180.00	$ 720.00
	PROJECT TRAVEL/SHIPPING EXPENSES				
15		Installation Travel/Shipping Exenses	1	$ 4,035.00	$ 4,035.00
		TOTAL (No Taxes have been included in this estimate)			**$ 124,832.57**

Date:	Wednesday, December 5, 2018		ESTIMATE No:	1812051

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COST ESTIMATE

CUNY BROOKLYN COLLEGE

EARLY CHILDHOOD CENTER

10 ROOM, OUTSIDE PLAY AREA, 23 CAMERA CLINIC OBSERVATION RECORDING SYSTEM (CORS)

Item	Part No.	Description	Qty	$ ea	$Total
OPTION 1	**PoE+ SWITCH (Connection to network, power for Cameras & Microphones)**				
A	EdgeSwitch ES-48-750W	Ubiquiti Networks EdgeSwitch ES-48-750W Managed PoE+ Gigabit Switches with SFP	1	$ 1,425.00	$ 1,425.00
OPTION 2	**SERVER UPGRADE TO 50 CAMERA MODEL (Alternative to Item 6)**				
B	10025	Model 2X30D, 2U Rackmount Video Appliance, 30TB RAID5 Storage - Intel E3-2630v4 dual CPUs; 64GB memory; Minimum Video Storage - 15,000hrs 1080P res. Cameras, 20,000hrs w. 720P res. Cameras; supports up to 50 cameras	1	$ 15,960.00	$ 15,960.00

NOTES:		
	Warranties/Service Support:	See Support Options (copy enclosed)
	Assumptions:	Client will run CAT5/6 cable from PoE+ Switch in IT Closet to each Camera location
		Client will provide open ports on network PoE+ switch located in IT closet local to the camera locations for cameras (See Option 1)
	System installation Includes:	Above equipment, miscellaneous connectors, equipment installation and set-up by CVI Technicians
	System Set-up & Training:	Software set-up, Administrator and instructor/Clinician Training sessions by CVI Technicians
	CVI Standard Terms & Conditions:	Copy Enclosed
	Cvi Special Payment Terms:	100% on Completion of Installation and Acceptance by Brooklyn College
	Quote Valid until:	Thursday, January 31, 2019

Date:	**Wednesday, December 5, 2018**		**ESTIMATE No:**		**1812051**

CVi

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15		Installation Travel/Shipping Exenses	1	$ 4,035.00	$ 4,035.00
		TOTAL (No Taxes have been included in this estimate)			**$ 124,832.57**

Date:	Wednesday, December 5, 2018		ESTIMATE No:	1812051

CVi

INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS

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Ph:262-569-1986   Fax: 262-244-1495

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	Education Director, ECC
	Early Childhood Center, James Hall #1604
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	Brooklyn NY 11210
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COST ESTIMATE

CUNY BROOKLYN COLLEGE

EARLY CHILDHOOD CENTER

10 ROOM, OUTSIDE PLAY AREA, 23 CAMERA CLINIC OBSERVATION RECORDING SYSTEM (CORS)

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OPTION 2	**SERVER UPGRADE TO 50 CAMERA MODEL (Alternative to Item 6)**				
B	10025	Model 2X30D, 2U Rackmount Video Appliance, 30TB RAID5 Storage - Intel E3-2630v4 dual CPUs; 64GB memory; Minimum Video Storage - 15,000hrs 1080P res. Cameras, 20,000hrs w. 720P res. Cameras; supports up to 50 cameras	1	$ 15,960.00	$ 15,960.00

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	System Set-up & Training:	**Software set-up, Administrator and instructor/Clinician Training sessions by CVI Technicians**
	CVI Standard Terms & Conditions:	**Copy Enclosed**
	Cvi Special Payment Terms:	**100% on Completion of Installation and Acceptance by Brooklyn College**
	Quote Valid until:	**Thursday, January 31, 2019**

CVi

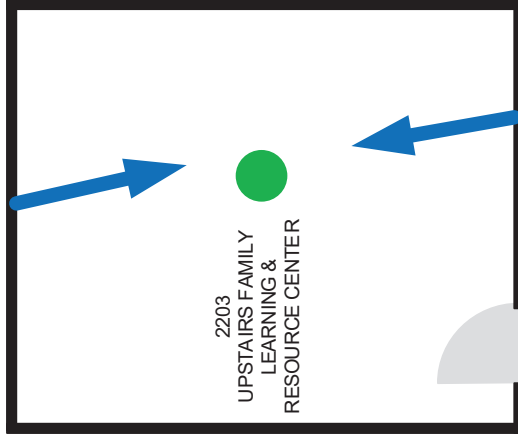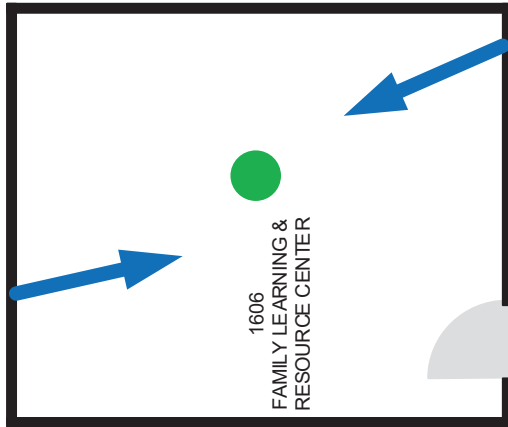N66W38493 N. Woodlake Cir.,
Oconomowoc, WI 53066
Ph 262-569-1986

BROOKLYN COLLEGE
EARLY CHILDHOOD CENTER
JAMES HALL #1604
Clinic Observation Recording System
FAMILY LEARNING & RESOURCE CENTERS
System Sketch

(not to scale)

LEGEND

**Wall-Mount Fixed
Dome Camera**

Microphone

2203
UPSTAIRS FAMILY
LEARNING &
RESOURCE CENTER

1606
FAMILY LEARNING &
RESOURCE CENTER

Student Technology Fee Proposal #2019-200
New Computers for the Learning Center

Department/Office: Learning Center
Applicant Name: Vento, Richard
Additional Applicant(s):   Wichy, Geraldine
**Primary Contact for
Proposal**
    Email Address: rvento@brooklyn.cuny.edu
    Phone: 718.951.5821
Estimated total cost: $ 35,000.00

Description of Proposed Project:
Greetings,

As you know, the Learning Center is a high-traffic area not only for academic support, but students seeking computer usage as well. I believe it was early 2015 when we last received new computers. Including students & staff, we have 50 computers.

Thank you!

-Rich Vento

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
This project will provide BC students with access to the latest computer resources available in an academic environment that promotes peer collaboration, group learning, and academic growth. Many students rely heavily on the free services we provide, both in the form of peer tutors and technology.

Note: Regarding the previous question involving cost, we're not sure how much each PC would cost.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.   How many hours per week the lab will be open:

50

b.   Who will supervise the facility and how will that be funded ongoing:

The Learning Center is always supervised during open hours of operation by the Director, Office Manager, and/or master Tutor.

c.   What physical space will be used to host the facility, and who has authorized its use:

1300B

All students

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

N/A

Please describe how many students will be served each term through the funding of this project, and through what means:
On average, the Learning Center records roughly 3,000 student contacts per academic year for computer usage.

How will projected outcomes be assessed?
We will continue to track student traffic and qualitative survey feedback.

Purchase the Docuseek2 Complete Collection

Department/Office:	Library
Applicant Name:	Hughes, Michael
Additional Applicant(s):	
Primary Contact for Proposal	
Email Address:	michael.hughes@brooklyn.cuny.edu
Phone:	5348
Estimated total cost:	$ 40,000.00

Description of Proposed Project:
The Docuseek2 Complete collection will include a total of 1800 documentary films in subjects across the Brooklyn College curriculum upon completion in 2020. Currently nearly 1300 films are available covering subject areas including environmental studies and sciences, sociology, anthropology, global studies, area studies, women's studies, history, political science, criminal justice, health, psychology, the arts, and more. We propose to purchase this collection and make it available for streaming 24/7 to Brooklyn College students. Once purchased, there is an annual access fee of $500 if hosted by the vendor, but we are not requesting any ongoing funds.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
Our experience with the Kanopy streaming video platform, where the top 3 most-watched films (and 6 of the top 10) at Brooklyn College are documentaries, shows the need to increase our documentary film holdings for students. With important documentary films covering subject areas across the curriculum, including general education courses, acquiring this package will allow students to stream assigned films at any time, and will also allow students to view other films as part of their research and learning. All films will be accessible through a perpetual access license, available 24/7 both on- and off-campus, with no restriction on the number of concurrent users.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. **How many hours per week the lab will be open:**

b. **Who will supervise the facility and how will that be funded ongoing:**

c. **What physical space will be used to host the facility, and who has authorized its use:**

d. **If any renovations or furnishings will be required to support the project, how will they be funded?**

Please describe how many students will be served each term through the funding of this project, and through what means:
All students will have access to these materials. The usage is unlimited so there will never be a turnaway once purchased.

How will projected outcomes be assessed?
Usage statistics are the best measure of outcomes for online research and learning material.

License Agreement consists of:
ProQuest Customer Order Form
Terms and Conditions of Previously Executed License Agreement
Addenda (if applicable)

ProQuest®
Start here.

By signing this License Agreement ("Agreement") with your signature below, you agree to license the Service under the previously executed terms and conditions on file and you certify that you are authorized to enter into this Agreement on behalf of the Customer.

Customer: Brooklyn College

Authorization by Customer:

Signature: _____
Duly Authorized Signature

Name: _____

Title: _____

Date Signed: _____

Authorization by ProQuest LLC:

Signature: _____
Duly Authorized Signature

Name: _____

Title: _____

Date Signed: _____

Q-00317371

Product Name	Code	Start Date	End Date	Price
The Docuseek2 Complete Collection Second Edition - Purchase	P1ASDS2E			38,896.00 USD
The Docuseek2 Complete Collection Second Edition - Continuing Service Fee	S1ASDS2E	1/1/2018	12/31/2020	500.00 USD
			Total Price:	39,396.00USD

EasyRenew Terms:

The term will automatically renew at the term stated on the Order Form ("Initial Term"). Either party may elect to cancel this Agreement by providing written notice 30 days prior to the end of the Initial Term. Following the Initial Term on this Order Form, the subscription shall automatically renew for successive one (1) year terms ("Renewal Term") unless either party provides written notice of intent to cancel 30 days prior to the end of the then current Renewal Term. ProQuest reserves the right to increase the Price at the end of the Initial Term or Renewal Term, but in no event shall the Price be increased more than 5% per year.

Product Notes:

The terms and conditions governing this purchase are the same as those found in ProQuest's contract with the State of New York, specifically Contract Number PC67669, Award Number 23044, Title: Group #20020 – Serials and Database Access (Statewide) notwithstanding any expiration date of such state contract. For the avoidance of doubt, pricing is not pursuant to PC67669 as this purchase is not listed product. Provided a purchase order is signed by CUNY or a CUNY institution, no further signature is required.

For videos from the DocuSeek2 documentary videos, Purchased Content is limited to the life-of-file for the MPEG-4 (H.264) codec file format.

The terms and conditions governing this purchase are the same as those found in ProQuest's contract with the State of New York, specifically Contract Number PC67669, Award Number 23044, Title: Group #20020 – Serials and Database Access (Statewide) notwithstanding any expiration date of such state contract. For the avoidance of doubt, pricing is not pursuant to PC67669 as this purchase is not listed product. Provided a purchase order is signed

by CUNY or a CUNY institution, no further signature is required.

Additional Information:

Billing Information:	**Shipping Information:**
Please review your billing address to ensure its accuracy.	**Please confirm the shipping address is accurate.**
Brooklyn College 2900 Bedford Ave Brooklyn NY United States 11210-2850	**Brooklyn College** 2900 Bedford Ave Brooklyn NY United States 11210-2850
Electronic **Invoice** Recipient(s):	Electronic **Renewal** Recipient(s):
If your subscribing institution requires the use of Purchase Orders, please indicate below. **Purchase Order #** **Billing Information Notes**	**Tax Registration Number #** If tax exempt, please include copy of supporting documentation with signed agreement or email a copy to taxinformation@proquest.com

Invoices will be emailed to the bill-to-contact and renewals will be emailed to the ship-to-contact. If your institution is unable to accept electronic invoices, please check this box:

Technical Contact:	**Phone:**	**Email:**

IP Authentication:	**Barcode Scheme:**	**Alternative Authentication:**	**LIBCODE**
	Length: Prefix:		
Authentication Instructions:			

Additional Sites:

Account Manager Information:
Pamela Cowart
(803) 237-3379 | pamela.cowart@proquest.com

Laptop Loan Program

Department/Office: Library

Applicant Name: Spivak, Howard

Additional Applicant(s):

Primary Contact for Proposal

    Email Address: howards@brooklyn.cuny.edu

    Phone: x5342

Estimated total cost: $ 26,000.00

Description of Proposed Project:
Laptop loan usage this semester remained high with 3064 loans (August 28-December 11)

Especially popular are MacBooks (Pro and Air) and the lite-weight Dell models. As for MacBook Air We have 9 and they are usually out by 9:30 AM Monday - Thursdays. Fri - Sunday they are in heavy use as well. Students come by all day requesting Air.
The entire student body (approx. 19,000 students) could benefit from this project. The Library is an important and popular student computing and work area . Undergraduates can borrow laptops for a 1 day or 3 day period. Graduate students can borrow laptops for a 30 day period. The popularity of the Library as a technological work center has often resulted in long lines waiting for a computer during the peak hours of the day, and during the midterm and finals periods of the semester. The availability of laptops helps to alleviate the problem by making more computers available reducing congestion and competition for a workstation.
The current number of available Dell Laptops is 95 and the number of Macs is 47. Unfortunately, 8 Dell laptops were removed from the program as being unrepairable and cannibalized for parts. Of the available laptops, all are out of warrantee..
The constant use of the laptops have led to wear on the laptops.In many cases the same Laptop goes out several times a day. The dell laptops are starting to break down. The issues include damage casings, batteries that no longer hold charges, unresponsive track pads and they are slowing down.most students do not want to borrow laptops with limited life span as they are not useful unless you stay near an outlet. As a result while the laptops are technically working they are not very useful. We have replaced parts in the past but they appear to be breaking down at a faster rate now.

The program is requesting 10 new Macbook Pro (~$10,000); 10 new Macbook Air (~$10,000); 15 Dell Inspiron 11 (~$5,750) ;1 20 Dell replacement batteries (~2,000) ; 5 Apple replacement chargers (~$400). Total $26,000.
 The androids are used to accommodate student who do not have a personal recording device.
ModelNumberYear
Dell Latitude E5430   292012
Dell Latitude 2100   14200917 batteries will not hold charge
Dell Latitude E6410 252010
Dell Latitude E5540 62014
Dell Latitude E6400 212009
Dell Inspiron 35580   2016decommissioned bad charging port
Total95
Apple MacBook Pro 13-inch Mid-2010 62010

Apple MacBook Air 11-inch Mid 2012 102012
Apple MacBook Pro 13-inch Mid 2012 312012
Total47
Apple iPad   5

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
How will this request have a direct impact
on student learning or student life?
What are the objectives of this project?
(up to 5000 symbols)
Provide computing access to students who do not own a personal computer or are hesitant to risk carrying their

personal computer on public transportation. Reduce the long lines waiting for a computer during the peak hours of the day, and during the midterm and finals periods of the semester. Allow student to carry a personal computer to the classroom on campus.

If funding is requested for a lab, other public access technology facility, of other physical facility:

a.　How many hours per week the lab will be open:

72 hrs / w

b.　Who will supervise the facility and how will that be funded ongoing:

AIT/Likbrary　Funding is ongoing.

c.　What physical space will be used to host the facility, and who has authorized its use:

The Laptop loan program is centered at the New Media Center, 2nd floor Library..

d.　If any renovations or furnishings will be required to support the project, how will they be funded?

no

Please describe how many students will be served each term through the funding of this project, and through what means:

Potentially all 19,000 BC students can benefit.

How will projected outcomes be assessed?

Increased borrowing

Screen Sharing Room

Department/Office: Library

Applicant Name: Spivak, Howard

Additional Applicant(s):

Primary Contact for Proposal

    Email Address: howards@brooklyn.cuny.edu

    Phone: x5342

Estimated total cost: $ 9,500.00

Description of Proposed Project:

Background: In 2016, based on student requests for technological collaborative study spaces, AIT/Library started a pilot project designed to address this need. I

Present situation: There are 7 screen sharing rooms with another 3 rooms under proposed construction. The 7 rooms are in constant use from Monday - Thursday 10 am - 9 pm . Total Usage of Screen Sharing Rooms August 28th -December 20th 2018 3880 sessions avg usage time 329 minutes per group.

(We try to give groups in screen sharing rooms a little extra time)

Room description: The Screen Sharing Study Room consists of:

*A wall mounted 52" monitor connected to specially designed table. The table has 2 electrical duplex outlets (to allow for device charging) on either side of the FSR Hubble control unit.

*This unit has 4 colored hdmi connectors. Each student's device (PC Laptop, Mac Laptop, Iphone or android phone, Notebook, etc.) is connected to one of the 4 HDMI connectors.

*The Hubble unit also contains 4 buttons. When the red button is pushed, the device connected to the red HDMI cable controls the monitor screen.

*Dongels to connect the device to the HDMI cable can be bowed from the new media center. Student without personal devices can borrow one from the New Media Center.

*The table can seat 4-6 students comfortably.

*The room is also equipped with KAPP 42"smartboard and an erasable whiteboard.

We are requesting 2 additional rooms .

Costs per room

CCI Bullet Collaborative table with custom cutouts ~ $1,600

    Monitor with wall mount~ $ 557

FSR Control Equipment~ $1,800

Dangles~ $ 200

Smartboard ~ $ 400

Whiteboard ~ $ 100

Cost per room~$ 4,657

2 Room Cost~$9,314

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?

Provide an area where students can work cooperatively in a technologically assisted environment

If funding is requested for a lab, other public access technology facility, of other physical facility:

a. How many hours per week the lab will be open:

72

b. Who will supervise the facility and how will that be funded ongoing:

New Media Staff

c. What physical space will be used to host the facility, and who has authorized its use:

Library

d. If any renovations or furnishings will be required to support the project, how will they be funded?

Please describe how many students will be served each term through the funding of this project, and through what means:

Potentially all 19,000 BC students can benefit.

How will projected outcomes be assessed?

Increased use. Tracking room usage on a monthly basis

Student Technology Fee Proposal #2019-232
Student Video Loan Program - a pilot

Department/Office: Library
Applicant Name: Spivak, Howard
Additional Applicant(s):
Primary Contact for Proposal
   Email Address: howards@brooklyn.cuny.edu
   Phone: x5342
Estimated total cost: $ 3,648.00

Description of Proposed Project:
Student loan of video equipment has recently been transferred to the Library/AIT. In the past, this equipment has been restricted to the students of the Radio and TV department. The vast majority of Brooklyn College students did not have access to these video kits.
The equipment contained in these "kits" are of professional grade and thus quite expensive.
It has been suggested that video production could be brought to the entire campus at a significantly reduced cost. This can be achieved by creating "kits" using high-end but not "professional grade" equipment. In addition to lower cost per unit these "kits", would be more user friendly and easier to instruct.
What is recommended:
*   DSLR Camera - students will be able to shoot high-quality still photos as well as video on these cameras. You want a model that shoots at least 1080p video, which is almost all of them right now. 4K is nice, but overkill (these projects would probably be finished as H264 web standard and/or Quicktime for distribution so 4K is irrelevant.)   Also - for the sake of "digital asset hygiene" we recommend that cameras that take SD cards (for video they would be SDHC cards be chosen.) This brings the price point of the removable media (for which students are responsible) into an acceptable range for our students.
*   One zoom lens - we recommend a basic mid-range zoom - 50mm is basically akin to the human eye's perspective for 35mm still photography and that pretty much holds true for video as well so we suggest a zoom lens that is 18-55mm. Additional longer-range zoom lenses could be acquired down the road.
*   A shotgun mic with a shockmount that mounts to the camera - DSLRs have built in mics which are satisfactory for some amateur circumstances, but one should really use an external mic for high quality sound. A shotgun will be the most useful for location/outside shooting and shooting groups.
*   A wired lavalier mic - these are cheap enough (about $25) and yield good sound for interviews so might as well have one in the kit.
*   A lightweight tripod WITH bubble levels
*   A one handed shoulder mount that is unisex and accommodate either right or left handed use - you'll see what we mean when you see the link below. (You want to avoid shoulder mounts that look like "pincers" as they don't fit women well.)

This is a pilot program to explore if this service is needed or even desired by the students. We suggest starting with 2 or 3 kits. Each kit costs between $1,066 & $1,216 depending on the camera selected. The cost or 3 units would total $3,198 or $3,648.

How will this request have a direct impact on student learning or student life?

What are the objectives of this project?
Provide video production access to students who do not own a equipment of this quality. Allow student to incorporate video into their academic assignments.

If funding is requested for a lab, other public access technology facility, of other physical facility:
a.   How many hours per week the lab will be open:
72
b.   Who will supervise the facility and how will that be funded ongoing:
The program is centered at the New Media Center, 2nd floor Library
c.   What physical space will be used to host the facility, and who has authorized its use:

The New Media Center, 2nd floor Library.

d.   If any renovations or furnishings will be required to support the project, how will they be funded?

Please describe how many students will be served each term through the funding of this project, and through what means:
Potentially all 19,000 BC students can benefit.

How will projected outcomes be assessed?
Track borrowing