

Request for Additional Lottery allocation 2016 – 2017 BHES
Anita Muthyala-Kandula
Total amount requested: \$ 77,400

1. What are you requesting

BIOLOGY:

- On –going lab supplies *including pipette tips, reactants, chemicals (eg. hydrogen peroxide, methylene blue, etc) testing kits (eg. blood , urine, digestive), media (eg. agar etc), cultures, live and preserved specimens; beakers, flasks, graduated cylinders, Petri dishes, pH strips, scalpels,*

From

Bio rad lab

Carolina Biological

Fisher Scientific

Hardy diagnostics

Life technologies

New England BIO LAB

Niles Biological

Rainin Instrument LLC

Sigma Aldrich

VWR

\$ 40,000

- Anatomy models

\$ 7,000

UV light source

\$3000

Additional amount requested - \$ 50,000

HTEC

- Lab supplies –needles, syringes, gloves, EKG paper
From McKesson medical surgical

\$4000.00

- 20 vein pads

\$2000.00

- 2 phlebotomy videos

\$500.00

- 2 Pediatric dolls

\$200.00

- 1 Tympanic thermometer

\$200.00

- 1 audiometer

\$1200

Additional amount requested - \$ 8,100

MLT

- CAMLT review books

\$300.00

- (4) Anaerobe Educator software

\$700.00

- Coagulation analyser

\$4300.00

Additional amount requested - \$ 5,300

NURSING:

- New videos and to close-caption the videos that are not.

\$1500.00

- New IV pumps

\$5500.00

- Class notes, handout

Additional amount requested - \$ 7,000

ES/ESCI

- Plant/Animal Models for Lab,

\$7000.00

Additional amount requested - \$ 7000

Justification:

2. How many students will benefit from this purchase?

The BHES division served 16,742 students last academic year and these supplies would serve all students.

3. How does this enhance your Equity Goals?

Many students taking courses in Biology, Nursing, HTEC, MLT and ES have busy schedules, outside jobs and family responsibilities and limited access to specimens/processes and models. Having slides, models, bones etc allows students access to class materials for study and practice outside of lab and at varying times and help us to try and narrow the equity gap for retention and more importantly success in the life sciences.

Having the ability to actually conduct experiments in the classroom and having lab materials available gives students hands on experience and makes the content more understandable and relevant essential for student success.

Including resources that allow students to move at their own pace, having teachable slides to every student in real time and having adequate updated instrumentation/equipment that is working properly will provide all students with enhanced learning experiences and give students who need

extra help or time in mastering the information an opportunity for that learning experience.

To serve the students well that are pursuing science careers; it is imperative to stay current on the technology. By updating technology will help reach this goal. Including resources that allow students to move at their own pace, and having adequate updated instrumentation/equipment that is working properly will provide all students with enhanced learning experiences and give students who need extra help or time in mastering the information an opportunity for that learning experience

4. How does this enhance your Student Learning Outcomes?

In order for students to achieve the SLO outcomes, students need the resources that are current and aide in their learning. Experience with enough experimentation and equipment prepares our students not only to meet course level and department level SLOs but also for transfer level work and for the workforce. We need the additional funding to serve the numbers of students in our classes with supplies, models and equipment that are working and functioning properly, and that reflects the technology in today's laboratory and settings. Videos will also enhance our Student Learning Outcomes by reinforcing and better understanding of the lecture the students will be receiving prior to the video. Most importantly it will reach out to those students that are visual learners

5. Was this noted on your Program Review?

Yes. All departments requested augmentations in budget to support instruction in the classroom and included items in program review