

**Request for Instructional material allocation 2016 – 2017 BHES**

**Anita Muthyala-Kandula**

**Total amount requested: \$ 193,066**

**1. What are you requesting**

**BIOLOGY:**

Microscopes demonstration .....	\$ 20,000
Dissecting microscopes.....	\$ 25,000
EKG machines.....	\$1800
Ophthalmoscopes.....	\$870
Blood pressure cuffs.....	\$420
Centrifuges.....	\$4200
Gel electrophoresis chamber.....	\$5200
Incubators.....	\$5000
Stethoscopes.....	\$300
Laboratory chairs .....	\$4000
Anatomy and physiology models	
Respiratory system models.....	\$7000
Central nervous system models.....	\$1600
Digestive System models.....	\$640
Special Sense models.....	\$8000
iPads**.....	\$45,000
(**did not get last year)	

**Additional amount requested - \$ 129,030**

**HTEC:**

5PCs .....	\$3000.00
weight Scale.....	\$1200.00
digital Spot Vital signs monitor.....	\$2700.00
Audiometer with case.....	\$1500.00
Easy One Spirometer.....	\$1500.00
Midmark Exam beds.....	\$8000.

**Additional amount requested - \$ 17,900**

**NURSING:**

Laerdal Nursing Baby ( SimPad Plus Capable) – 365-05050 _____	\$3,000.00
SimPad Plus _____	700.00
LLEAP Software for Simpad Plus _____	2,500.00
Hill-Rom Electric bed_____	5,000.00
Bedside Cabinet_____	300.00

Telescoping Curtain	150.00
Willi and Cathi Combo Package	430.00
Alaris Medley Pump Combo #3	2,000.00
Glitterbug Glo Germ Center	156.00
Manikin	3,000.00
Headwall Baskets	800.00
Chester Chest with New Advanced arm	1,100.00
Videos	2,000.00

**Additional amount requested - \$ 21,136**

**ES/ESCI:**

Dishwasher .....	\$1200.00
Refrigerator .....	\$2500.00
Freezer.....	\$1500.00
Benches/tables ESA.....	\$4800.00
Flush mount display screens.....	\$15,000.00

**Additional amount requested - \$ 25,000**

**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 this equipment allows students access to 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