

EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2015

Name of Person Submitting Request:	Lorrie Burnham
Program or Service Area:	Biology
Division:	Science
Date of Last Program Efficacy:	2013
What rating was given?	Continuation
Equipment Requested	Human Anatomy Models - New
Amount Requested:	\$3663.96
Strategic Initiatives Addressed: (See Appendix A: http://tinyurl.com/15oqoxm)	Strategic Goals of Student Success #2: 2.6.2; 2.6.3; 2.6.3.1 and .2; 2.6.5

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement Additional

1. Provide a rationale for your request.

Biological models are the bedrock of anatomical science. They provide the student with an experience that is visual and kinesthetic. Approximately 60% of the sections taught in Biology are in the subject areas of anatomy and physiology. These courses prepare students for the health science courses taught at Valley College. So this equipment support the needs of more than one program when they prepare students to do well in Nursing, Psych Tech, etc. The models are critical to anatomical studies. The models included here form an augmentation request. We are also requesting the replacement of worn models that we believe will enhance our instructional abilities. This request features models that will be added to our current models for student use. We already continually use a number of models that we have found beneficial to students adequately understanding the anatomy of the human body. Students must use 2 dimensional images for much of their study. We would like to add to and augment our lab studies with more models that students can handle and observe to gain a 3 dimensional experience in human anatomy.

2. Indicate how the content of the latest Program Efficacy Report and current EMP data support this request. How is the request tied to program planning? (*Reference the page number(s) where the information can be found on Program Efficacy.*)

Anatomy and Physiology classes primarily support the CTE goals of our program. The Biology department is instrumental in preparing students for a general bachelor's degree as well as a bachelor's degree in Biology, but a majority of the courses in Biology prepare students to enter Allied Health courses, many of which are taught here at Valley College. Therefore, the support of these classes impact not just student success in Biology, but other programs in the college. The impact of student success reaches well beyond these courses. Students that complete the Allied Health programs, like Nursing, enter careers that enrich both the student and the local community. Instructional programs in Human Anatomy enriched by physical models benefit all levels of student success.

3. Indicate if there is additional information you wish the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

Students have a variety of learning styles. Models contribute to the kinesthetic learning style. Without models, or even with worn or damaged models, students lack the materials that support active learning.

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources (*for example Department, Budget, Perkins, Grants, etc.*).

The models that we are listed here are models of several organ systems of the human body for which we have no current models. These are models we currently lack but are necessary for a student to get a complete grasp of the knowledge of human anatomy.

5. What are the consequences of not funding this equipment?

Students will continue to use photos and other 2 dimensional images to study 3 dimensional structures. Many students, not all, will be handicapped by lacking a more complete model of the structures that they are studying. Their success is impacted as is the overall success of the program.