

TECHNOLOGY NEEDS ASSESSMENT APPLICATION

Fall 2019

Technology: Programs should list the technology needed to provide ongoing service or instruction, and an approximate cost of the request. *Technology that is listed in this category will be forwarded to Campus Technology Services to evaluate through their own processes.*

Name of Person Submitting Request:	Amy
Program or Service Area:	Chemistry
Division:	Science
Date of Last Program Efficacy:	Spring 2016
What rating was given?	Continuation
Amount Requested:	\$
Strategic Initiatives Addressed:	2. Promote student success
Needs Assessment Resources (includes Strategic Initiatives):	https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php

Replacement ☒ Growth ☐

- You are required to meet with Rick Hrdlicka – Director of Campus Technology Services--by WEDNESDAY, OCTOBER 9 if you are submitting a Technology Needs Request. 909-384-8656 or rhrdlicka@sbccd.cc.ca.us. Please provide the date of your meeting.**

Rick Hrdlicka, Amy Avelar, dept. faculty 9/20/19 at 8:30 am in PS 166

- Projects that require modification to Buildings or Rooms will require a Facilities Need Request. Will this project require facilities changes?

No

- What technology-based equipment or software are you requesting?

A smart projector is requested to be installed in PS 228 on the wall with the dry erase marker paint.

- Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

A goal of the last efficacy report and the current EMP is to increase the number of degrees awarded in Chemistry and to increase success. Students learn how to solve problems by example in chemistry. We share a portable whiteboard, but as we have increased the offerings of majors' prep courses over the years, in response to demand, the equipment utilized by this sequence of classes has undergone increased use, and is now beginning to break down. It is also difficult for students in the back of the room to see the small portable board. The current white board is blocked with the projector screen when the screen is in use. However, as many problems in chemistry require us to show students how to solve the problem in a step-wise fashion, having the wall painted white and a smart projector facing that wall will allow us to use the white boards while we project materials onto the wall. The smart projector would be placed on the same painted wall.

- Indicate any additional information you want the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, or planning, etc.*).

We are requesting one smart projector to pilot and compare it to the use of a Surface Pro. We want to make future technology requests based on what works best in the department.

6. Provide a complete itemized list of the 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.*)

7. What are the consequences of not funding this request?

We have to move the screen each time we want to show how to solve a problem. We also have to turn off the projector, not just mute it, so that we are not blinded by the projector light. However, it takes some time for the projector to turn back on. The quality of instruction suffers.