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Collector:	Live Link (Web Link)
Started:	Monday, February 11, 2019 11:57:14 AM
Last Modified:	Monday, February 11, 2019 12:14:08 PM
Time Spent:	00:16:53
IP Address:	160.227.129.156

Page 1: For Annual Planning/Program Review Requests

Q1 Technology Plan Year   **2018-2019**

Q2 Title of Request

Faculty Office Computer

Q3 Location of Request

H-242

Q4 Discipline

Chemistry

Q5 Department

Science/Engineering

Q6 Contact Person

Name	**Robert Anness**
Email Address	**robert.anness@gcccd.edu**

Q7 DescriptionPlease provide a brief description of the technology/software or technology project and its core goal(s).

This technology request is for a new office computer for a faculty member (Robert Anness). This is a replacement for an outdated computer that is over a decade old and no longer able to run essential programs (including Canvas!) despite various upgrades to keep it running over the years. The goal is for the instructor to be able able to use crucial programs such as Canvas and discipline-specific software such as ChemDraw and Spartan on their office computer. The office comuter that needs replaced no longer allows for upgrades to common web browsers and Canvas is incompatible with the old browsers. ChemDraw is the industry-standard chemistry drawing program and Cuyamaca College has a site licence that allows faculty and students to have subscription access. Since this program needs to be renewed by users annually, new versions of the software must be installed each year. The newer versions no longer run on the instructor's old office computer and thus the program cannot be utilized.

Since the instructor has been working on an apple computer for the last 7 years at work, all of the specialized programs being used are in Mac format. For this reason, the instructor is requesting a new Apple computer to replace the old one. This specific request is for a 21.5-inch iMac with Retina display and 16GB of memory.

Page 2: Proposal Justification

Q8 Please explain how the technology or enhancement supports the strategic plan. Include information on how students will be impacted and/or employees or the college or district overall. Consider whether this would this be a district-wide implementation.Which Strategic Plan priority (or priorities) are supported by this request? To access the Strategic Plan, please click here.

Student Validation and Engagement,

Organizational Health

Q9 How does the request support the above priorities?

Properly equipping instructors with the tools that they need is crucial for serving our students. A fully functioning office computer is absolutely necessary for the development of resources, student evaluation materials, and computer-related activities to promote student engagement. Canvas is an essential tool that is used frequently by instructors and their students throughout the day.

Q10 Who would this impact? Please select all that apply.

Students,

Employees

Q11 How would this impact the above group(s)?

Approximately 80 students are impacted each semester if the instructor does not have access to crucial software programs such as Canvas, and discipline-specific software such as ChemDraw while at work. Most of the exams and quizzes for the instructor's chemistry courses require the use of the ChemDraw program, and development of Chemdraw activities for students is ongoing. Canvas is used daily to upload resources and grades for students.

Q12 Does the technology support a state-wide initiative or is it a legal mandate or in support of a legal mandate?

No

Q13 If yes, please explain how the technology supports a state-wide initiative or is it a legal mandate or in support of a legal mandate?

Respondent skipped this question

Q14 Please be aware that projects, once approved, are typically scheduled 6 months to a year in advance. Consider the consequences if the technology/software is not implemented, upgraded or renewed.What are the consequences if the technology/software is not implemented/upgraded, or renewed? Examples: Security concerns, loss of FTES, mandates, accreditation, etc.

The instructor will not be able to use Canvas or discipline-specific software programs on his office computer. This will inhibit the instructor's ability to develop resources for student engagement as well as communication with students via Canvas.

Q15 What is the number of students impacted per semester if the technology/software is not implemented, upgraded or renewed?

80

Q16 What is your preferred time for implementation?

The new computer should be installed as soon as possible

Q17 Tell us how the data you have supports the implementation of the technology. This can be qualitative or quantitative in the form of surveys, observations, SLO or other assessment data, institutional research data or other reports and data.

SLO assessment in the chemistry program has shown improvement in student success with regard to particular topics when an active-learning component is employed. The chemistry drawing program ChemDraw is used for active-learning exercises often in our chemistry classes at Cuyamaca College. The instructor's ability to design and implement these types of activities is significantly limited if they don't have access to these software programs on their office computer.

Q18 Please attach any supporting data/documentation using the "Upload" button below.

Respondent skipped this question

Page 3: COST ANALYSIS

Q19 Is the request for hardware or software?

Hardware

Q20 Is the request for new or an upgrade to existing technology?

Upgrade (replacing outdated technology)

Q21 Estimated or known total initial cost of request: This includes hardware and software maintenance, licences, taxes, fees, shipping, storage, etc.

The cost for the 21.5-inch iMac with Retina display and 16GB of memory is $1,552 (including taxes and fees) from the Apple Eduation Store website (https://www.apple.com/us-hed/shop/buy-mac/imac/21.5-inch-3.0ghz-1tb#).There is no shipping cost.

Q22 Funding Source: **General Fund**

Q23 Please attach quote using the "Upload" button below.   **Respondent skipped this question**

Q24 Evaluationi. How do you plan to evaluate the technology after implementation?

Some SLO assessment is tied to active-learning exercises that utilize chemistry software. It is vital that the instructor have the ability to develop these activities on his office computer. SLO assessment going forward will continue to look at student success related to the use of these key chemistry software tools.

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Q25 Are you ready to submit your technology request?   **Yes**