

CUYAMACA COLLEGE

March 4, 2009

Technology Plan

2009-2010

Instructional Technology Council

Technology Plan Committee:

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Cuyamaca College Technology Plan 2009 - 2010

This year, the Technology Plan Committee was able to provide solutions satisfying all requests for technology that received both a “1” ranking by the Academic Master Plan and were appropriate for Tech Plan funding (see Appendix B for more information). This was made possible with assistance from the Basic Skills Initiative, the new building funds available for Communication Arts (“B”), Science/Technology Center (“H”) and Business/CIS (“E”), and careful analysis of how replaced computers might continue to serve elsewhere.

One of the long term goals that the Technology Plan Committee has been working towards for many years has been to provide “smart” technology in all classrooms. “Smart” technology implies a computer connected to a data projector, a DVD/VCR, and sound. This year, the committee added an additional component to this list: a document camera. **By Fall 2009, all of the classrooms at Cuyamaca College will finally have “smart” technology!** It has been a slow and steady effort on the part of many individuals to reach this milestone.

As always, the Technology Plan Committee focuses on Instructional Computing needs. We try to keep computers in use as long as they are able to serve a function in instruction. Once the needs of instruction have been satisfied, we are often able to direct technology to Student Services. In fact, in the past 6 months, State block grant funds were used to upgrade memory in recycled P4 computers to be dispersed campus wide so that, by May 2009, all computers campus-wide will be P4s or better with a minimum of 1GB RAM to support Office 2007.

In this year’s plan, the emphasis is on providing a document camera in every classroom and upgrading some of the older “smart” components in our classrooms. Historically, it has been up to individual department chairs and coordinators to identify when classroom equipment was sufficiently old or outdated to merit a replacement. Beginning in 2008-2009, the Learning and Technology Resource department has taken on the responsibility of maintaining inventories and making this determination. As a result, the largest monetary requests on the plan are from this department and there are duplications of items requested by academic departments and the technology department. It is the hope of the committee that we can, over the next couple of years, provide technology in our older classrooms that is similar to that which is in the newer buildings.

One very exciting technological development this year is Cuyamaca College’s participation in iTunes University which will allow us to provide a variety of learning modules via iPhones (and other similar cell phones), computers, iPods, as well as other emerging delivery devices. These modules may be simply audio, PowerPoints or other text documents, audio combined with text documents, or video clips. This initiative is being funded primarily by new building funds therefore the details are not included in Appendix A. Many of our faculty members are planning to assign the creation of learning video clips as student projects in their classes. The B building is in the process of purchasing a large number of student backpacks consisting of an Apple laptop computer, video camera, and tripod which may be checked out from the circulation desk of the library. The LRC expansion project will finance a faculty work room which will contain both

PC and Apple platforms and all necessary software to support audio and video editing. It will also be used to purchase portable microphones for faculty to use for audio taping lectures which can be easily uploaded into iTunes. The E building will fund a student work area (located off the open lab) which will also contain both computer platforms and necessary software for editing.

In December 2009, the CS/CIS/Graphic Design department and the Open Computer Lab will begin to move into the new Business/CIS (“E”) building. At that time, there will be a number of 2 or 3 year old high end computers that will become available for use elsewhere. The following plan begins to identify where some of those computers will go.

The Technology Plan is now ready for implementation. Departments have been notified of their approved requests and are encouraged to begin the ordering process immediately. This means that the equipment can be installed over the summer and ready for use in Fall 2009. A brief summary of the funded computer technology requested by department is presented below. The traditional spreadsheet providing itemized details is attached at the end of this document as Appendix A.

Art: Nothing requested.

Automotive Technology: Nothing requested.

Business & Professional Studies: Nothing requested.

Business and Office Technology: Nothing requested.

CADD: A 45 seat license for 3D Solid Works software is all that CADD needs this year as we negotiated a two year license for CADD software last year.

Child Development: Child Development needs a completely new “smart” classroom, including a lectern, an iMac and PC, projector, document camera, screen, speakers, cables, DVD/VCR. They also need a large LCD screen for the Observation Area. Division III has applied for a grant to fund this and other needs, so it may not ultimately be funded through the State block grant.

Communication Arts - ASL: Nothing requested.

Communication Arts - ESL: Nothing requested.

Communication Arts - English: Nothing requested.

Communication Arts - Reading: Nothing requested.

Communication Arts - Speech: Nothing requested.

Computer & Information Science: CS/CIS has been blessed with another new building to be opened in 2009-2010, so that most of their equipment needs will be accommodated by this source. New building funds cannot, however, be used to pay for software renewals or service contracts. These annual costs are typically picked up by the Technology Plan and the State block grants that fund it.

Disabled Student Programs & Services: Most of the needs of this department will be funded through alternative sources, but a new data projector and DVD/VCR player will be provided.

Environmental Health and Safety Management: EHSM needs a large TV to be used with a DVD/VCR player.

Exercise Science/Health Education: This department has requested a new computer set up and a smart cart lectern for a classroom. One of the newly upgraded P4s will be used to satisfy this need and the lectern appears under the Learning and Technology Resource Center (LTRC).

Foreign Languages: Requests duplicated by LTRC.

Graphic Design: Like CIS, this department resolved to fund its needs through new building funds with the exception of some software maintenance.

History, Social, and Behavioral Sciences: These disciplines rely heavily upon smart classroom technology and have requested upgrades and replacements for a variety of items. Most of these upgrades were duplicated under LTRC and will be provided. They also requested a new Apple computer in one of their classrooms and this was ranked #1 for funding. Finally, SPSS software was requested. As this software does have a student version from which essential skills can be acquired and it is very expensive software for a single class each semester (\$24,311), the committee ranked this request #2 for funding. The committee concluded that there were more pressing needs that served larger numbers of students.

Humanities and Performing Arts: Nothing requested.

Instruction/Tutoring: Nothing requested.

Learning & Technology Resources/Library: This area accounts for the majority of the items funded as priority #1 this year. It will provide document cameras and two ceiling speakers in all classrooms! It will also replace six very old data projectors (some over 10 years old), six old and torn screen and 10 “smart” cart lecterns.

Learning Resources/Computer Labs: Nothing requested.

Mathematics: This department also relies heavily upon smart classroom technology and requested a variety of upgrades and replacements for these systems. These upgrades will be accomplished using recycled CIS computers. Additionally, the plan funds the annual renewal for Minitab and 5 new wireless mice for classroom use.

Ornamental Horticulture: Nothing requested.

Personal Development Counseling/ Personal Development: PDC will receive one recycled P4 from CIS as well as 2 laptops and a portable projector for doing off-site presentations.

Science & Engineering/Astronomy: Nothing requested.

Science & Engineering/Biology: Nothing requested.

Science & Engineering/Chemistry: Nothing requested.

Science & Engineering/ Earth Sciences: Nothing requested.

Science & Engineering/Engineering: A 3-D Prototype printer was requested by Engineering (\$25,000) to support a sequence of classes that they are planning to develop. The committee decided that this was a great deal of money to support classes that are not yet ready to be offered. Although the department would utilize this printer in existing classes, it was decided that it was not yet critical to classroom instruction and was ranked #2 as there are more pressing needs for the college.