

**EVALUATION OF GOALS**

**Goals for Science Division 2012-2013**

The Science Division had three goals, each with many objectives and supporting activities. A discussion of progress on our goals occurred at the Division meeting on May 7 and the specific results are indicated in the table below the summary, in the column at the far right. These results are summarized under each of the goals listed in this narrative.

**1. Increase student success in Science Division courses. (Strategic Initiative: Student Success)**

*We are committed to helping students succeed in their educational and career goals.*

The Science Division is focused on student success and on strategies to improve this success. Some of the objectives and activities focused on departmental discussions, mentoring adjunct, and incorporating Supplemental Instruction. Faculty worked with faculty, staff, and managers to develop a robust Supplemental Instruction program. This is a “living” program and will continue evolve. Learning Communities were explored. Additionally, the Biology Department initiated study skill workshops focused on the skills students need to succeed in science classes. The Nursing Program instated the new point system for applicants, pre-acceptance exams, NCLEX preparation exam questions, and increased use of simulators. The Water Supply Technology program has been active in grant programs and with veterans and has provided services to help with student success. Geography faculty sponsored student activities, such as those for Earth Day. Although not all 14 objectives and 21 activities were completed, progress was made. Student Success will be an ongoing goal.

**2. Strengthen current partnerships and expand community and school outreach efforts. (Strategic Initiative: Partnerships)**

*We are committed to community involvement and dialog.*

This goal has six objectives and ten activities. The Division has strengthened partnerships with clinical sites for Nursing and Psych Tech, internship sites for Pharmacy Tech, and sites for work experience for WST and GIS. Obtaining space for clinical sites or work experience partners is difficult and this will be an ongoing goal. Information sessions were created for several disciplines, such as Pharmacy Technology. We collaborate for two events on campus: Future Cities, a program for students in 6<sup>th</sup>-8<sup>th</sup> grade, and Science and Technology Day where 200 students from Richardson Prep Hi Middle school participated in hands-on workshops. The Division did find the time for two activities, discuss nursing at local high schools and visit students Urbita Elementary School. The American Institute of Architecture (AIA) coordinated with the Architecture Club at SBVC to organize, schedule and present a Saturday AIA seminar on campus open to all Architecture Students. Strengthening and building partnerships is also an ongoing goal.

**3. Create a center of learning and an environment rich in opportunities for reflection and study, and discussion. (Strategic Initiative: Campus Culture and Climate)**

*We are committed to a safe, welcoming, culturally rich learning-centered environment.*

The biology faculty and staff have created a beautiful garden and space for reflection. They are finalizing plans for the garden areas in front of the Nursing Office and plan to plant in the fall if grounds can dig to place the drip system. Curriculum work was done to create Transfer Model Curriculum. Discussion at department meetings and Advisory Meetings has moved the division forward in improving programs and creating worthwhile experiences for our students.

**Science Division Goals and Objectives for 2012-2013**

**Overarching Goal for the Science Division: The Science Division strives to be the premier community college educational center in southern California for the sciences and related technologies**

**May 2013 - Accomplishments for 2012-2013**

<b>GOAL</b>	<p><b>Increase student success in Science Division courses. (Strategic Initiative: Student Success)</b>  <i>We are committed to helping students succeed in their educational and career goals.</i></p>	
<b>OBJECTIVE</b>	<ol style="list-style-type: none"> <li>1. Finish the course outlines for a biology AS-T sequence and coordinate with CSUSB and UCR Bio Dept.</li> <li>2. Ensure proper course transfer, articulation, and alignment with four-year institutions for geology, environmental science, and Earth science</li> <li>3. Support the implementation of Biology and Chemistry S.I.s for the Spring Semester</li> <li>4. Initiate and maintain the Biology Study Skills series</li> <li>5. Initiate a trial mentoring program within the Biology and improve communication with adjunct chemistry faculty</li> <li>6. Improve success rate for chemistry classes</li> </ol>	<ol style="list-style-type: none"> <li>1. In progress</li> <li>2. In progress, AS-T for geography</li> <li>3. Done, now ongoing</li> <li>4. Yes – two semesters now</li> <li>5. Chemistry faculty were assigned adjunct to mentor. Some adjunct were receptive. Biology still planning.</li> <li>6. Ongoing. Discussion topic at many Dept. meetings .</li> </ol>

	<ol style="list-style-type: none"> <li>7. Increase nursing student preparedness for clinical rotations and therefore increase student success with patient contact</li> <li>8. Incorporate instructional technology into nursing courses to enhance learning experiences</li> <li>9. Solidify assessment methods of program level SLO's</li> <li>10. Expand the Geology Department suite of field trips.</li> <li>11. Better prepare wastewater treatment and collection students, using our current treatment and distribution preparation model.</li> <li>12. Recruit and attract a greater percentage of women and other under-represented populations into the WST program.</li> <li>13. Upper-level WST courses should incorporate a utility management component.</li> <li>14. Expand the WST program to include environmental policy/regulation and technical instrumentation.</li> </ol>	<ol style="list-style-type: none"> <li>7. Simulation lab (nursing) acquiring more simulators and working on increase student use.</li> <li>8. All semesters using simulators but need more space.</li> <li>9. Discussions occurring at department level</li> <li>10. Budget lacking</li> <li>11. Full time faculty in wastewater has been hired so now we will increase number of students ready for higher level courses</li> <li>12. Continuing to offer day time classes. More women are in the work experience class.</li> <li>13. In progress</li> <li>14. A new course is being developed to cover this content</li> </ol>
<b>ACTIVITIES</b>	<ol style="list-style-type: none"> <li>1. Engage in discussions on appropriate rigor and expectations and our obligations as faculty to help students succeed. (chemistry)</li> <li>2. Once final TMC from CI-D available (late this Fall) will finalize Valley biology course outlines and enter into Curricunet and also apply for a new degree. (Biology)</li> <li>3. Thoroughly revise all geology curriculum, adding and deleting courses as necessary, update current AS degree, and create AS-T (transfer) degree. (Geol)</li> <li>4. Plan conversations with bio and engineering faculty at CSUSB and UCR (Biology, Engr.)</li> <li>5. Plan supply and equipment implications (Biology)</li> <li>6. Involve additional bio faculty and tutors in presentations (Biology)</li> <li>7. Advertise this series more widely within the Biology Dept.</li> <li>8. Review established model mentoring programs (Biology)</li> <li>9. Gather and produce documentation concerning mentorship (Biology)</li> <li>10. Identify faculty to model a trial mentoring program(Biology)</li> <li>11. Assign full time faculty 2-3 adjunct to 'check-in' with periodically throughout the semester. No full time faculty is teaching Tand Th 12:20-1:00 pm to improve dialog among the faculty. (chemistry)</li> <li>12. Review established model mentoring programs (Biology)</li> <li>13. Gather and produce documentation concerning mentorship</li> </ol>	<ol style="list-style-type: none"> <li>1. On going</li> <li>2. Planning stage</li> <li>3. Done</li> <li>4. Planning stage</li> <li>5. Planning stage but asked for equipment in Program Review and for microscopes to be purchased with surplus funds</li> <li>6. On going</li> <li>7. Did promote but this is also on going</li> <li>8. Planning stage</li> <li>9. Planning stage</li> <li>10. Planning stage</li> <li>11. Done and ongoing</li> <li>12. Planning stage</li> <li>13. Planning stage</li> </ol>

	<p>(Biology)</p> <p>14. Identify faculty to model a trial mentoring program (Biology)</p> <p>15. Apply for lab simulator technician position in Skills Lab to operate, maintain simulators, and develop scenarios. (Nursing)</p> <p>16. Continue to educate nursing faculty on facilitation of simulators to enhance student learning. (Nursing)</p> <p>17. Continue to provide professional development on Sim Chart/HESI and updates as necessary for faculty. (Nursing)</p> <p>18. Using the Program Review process and ongoing demonstrated need, advocate for additional field trip (site visit) funding.(Geol)</p> <p>19. Offer one or more one-, two-, or three-day exam review and preparatory courses for WST license exams during the spring '12 and future semesters. (WST)</p> <p>20. Advertise through workshops, water agencies, and other public- and private sources in order to recruit under-represented populations. (WST)</p> <p>21. Host one or more all-inclusive (college enrollment, orientation, assessment, study habits, water industry career opportunities, etc.) workshops during the spring '12 and future semesters. (WST)</p> <p>22. Incorporate a utility management/supervisor/utility leader component into all upper-level WST courses (WST 062, 063, 072, 073, 082, 092, and 093). This can be initiated during the spring '12 semester but course curriculum should be officially updated and modified (through the curriculum process) to reflect this. (WST)</p> <p>23. Incorporate more rigorous knowledge and training within the areas of environmental policy/regulation, as well as rapidly changing on-site technical instrumentation. (WST)</p>	<p>14. Planning stage</p> <p>15. Asked in Program Review, needs assessment</p> <p>16. Faculty have participated in professional development, but ongoing</p> <p>17. Yes but ongoing</p> <p>18. Asked in Program Review</p> <p>19. Offered one-day review classes for distribution and treatment exams</p> <p>20. Promoted through the PDC grant and working with Veteran groups.</p> <p>21. Planning stage</p> <p>22. Planning stage</p> <p>23. Offered water use efficiency course every semester</p>
<b>GOAL</b>	<p><b>Strengthen current partnerships and expand community and school outreach efforts. (Strategic Initiative: Partnerships)</b></p> <p><i>We are committed to community involvement and dialog.</i></p>	
<b>OBJECTIVE</b>	<p>1. Maintain hospital contracts and good working relationships</p>	<p>1. Accomplished but ongoing</p>

	<p>with the clinical sites. (Nursing)</p> <ol style="list-style-type: none"> <li>Share information regarding SBVC nursing program with local high schools. (Nursing)</li> <li>Keep the public informed of changes as they occur in the nursing program admission policy. (Nursing)</li> <li>Maintain partnerships with Richardson Middle School and Urbita Elementary School and others</li> <li>Coordinate efforts on grants impacting the Science Division: MSEIP, Pass-Go, and Bridging the Water Divide</li> <li>Promote programs and opportunities provided by the Division and College</li> </ol>	<ol style="list-style-type: none"> <li>Did not do this- short on staff</li> <li>Information on web, at orientation meetings, printed packets</li> <li>Programs with Urbita did not happen this year. Did have 200 eighth graders from Richardson Middle School</li> <li>Weekly meetings on Pass Go and MSEIP. No discussions with Water divide. GIS/Geog. Awareness Week.</li> <li>Colton High Geospatial Career Presentation</li> </ol>
<b>ACTIVITIES</b>	<ol style="list-style-type: none"> <li>Faculty will continue to attend yearly hospital orientations to remain up-to-date on current hospital policies. (Nursing)</li> <li>Attend Career Days at local high schools to make students aware of SBVC nursing program requirements. (Nursing)</li> <li>Continue to hold monthly information meetings which are open to anyone interested in SBVC's nursing program (Nursing)</li> <li>Coordinate Science and Technology Day with Richardson Middle School (Division)</li> <li>Support visits to Urbita Elementary School (Division)</li> <li>Initiate a Pharmacy Technician orientation program (Division)</li> <li>Participate in GIS day activities at Urbita (GIS)</li> <li>Guest lecture at Colton HS or host a Colton HS visit to SBVC (GIS)</li> <li>Meet with select department chairs: Water, Biology, Criminal Justice. (GIS)</li> <li>Host one GIS informational session per semester for students and/or faculty. (GIS)</li> </ol>	<ol style="list-style-type: none"> <li>On going</li> <li>Did not happen this year</li> <li>Yes; increase help from counseling</li> <li>Done</li> <li>No interest this year</li> <li>Did two orientations</li> <li>No</li> <li>May 10 GIS presentation</li> <li>In planning stage. Ongoing discussion with WST</li> <li>In planning stage</li> </ol>
<b>GOAL</b>	<p><b>Create a center of learning and an environment rich in opportunities for reflection and study, and discussion. (Strategic Initiative: Campus Culture and Climate)</b></p> <p><i>We are committed to a safe, welcoming, culturally rich learning-centered environment.</i></p>	
<b>OBJECTIVE</b>	<ol style="list-style-type: none"> <li>Expand the Bio Gardens to the Nursing plots &amp; Maintain existing plot (Biology)</li> </ol>	<ol style="list-style-type: none"> <li>Conversations and planning has occurred</li> </ol>

	<ul style="list-style-type: none"> <li>2. Update Course Outlines of Record (Biology, GIS, Architecture)</li> <li>3. Work with Student Success Center, Pass-go grant, and Bridging the Water Divide grant (WST)</li> <li>4. Increase awareness of GIS Program on Campus (GIS)</li> <li>5. Prepare our students, faculty, staff, administration, and local citizens for a major earthquake. (Geol)</li> </ul>	<ul style="list-style-type: none"> <li>2. GIS is done, Architecture in the works, biology working on it. TMC's done for geography and geology.</li> <li>3. Weekly meetings on grants</li> <li>4. WST students aware of GIS; intern with our Research Dept.; GIS for pre-meds</li> <li>5. Worked with Great Shake Out</li> </ul>
<b>ACTIVITIES</b>	<ul style="list-style-type: none"> <li>1. Identify and start new plantings (Biology)</li> <li>2. Plan irrigation (Biology)</li> <li>3. Establish an on-going weeding cycle (Biology)</li> <li>4. Delete the Botany course (Biology)</li> <li>5. Review physics units (physics)</li> <li>6. Create a proposed sequence of classes for students interested in completing GIS certificate. (GIS)</li> <li>7. Review and modify pre-requisites (GIS)</li> <li>8. Identify skill sets for entry courses: 130 and 131. (GIS)</li> <li>9. Participate in the CCC GIS microcertificate task force (GIS)</li> <li>10. Complete Drafting course outlines of record and submit to state (ARCH)</li> <li>11. Coordinate with the VP of Administration and participate in the 2012 (and future) "Great Shakeout" activities (Geol)</li> </ul>	<ul style="list-style-type: none"> <li>1. In progress</li> <li>2. In progress</li> <li>3. In progress</li> <li>4. In progress</li> <li>5. not done</li> <li>6. Updated sequence but ongoing</li> <li>7. Updated</li> <li>8. Ongoing</li> <li>9. Attended workshops and working on curriculum</li> <li>10. First stage completed.</li> <li>11. Participated but did not host a seminar.</li> </ul>