



LAS POSITAS COLLEGE/TRI-VALLEY ROP WELDING ADVISORY BOARD

A. Introductions

Vicki Shipman, CTE Project Manager, opened meeting at 6:06 pm

Member Present: Ed Woodworth—Tri-Valley ROP; Caryl Shill—Las Positas College; Vicki Shipman—Las Positas College; Joe McNealy—Livermore High School; Simon Engel—HDE Technology; Merilee Engel—HDE Technology; Don Danner—Tri-Valley ROP; Scott Miner—Las Positas College

B. Role of an Advisory Board

C. College Report to the Board

Faculty Report -

Scott Miner, Welding Faculty, provided the following report:

Enrollments – for the past three years, the program enrollment had been over 100%; while at capacity, faculty allowed additional students to add the classes.

Student Success – students are obtaining jobs before finishing the program or achieving the certificate/degree.

Summer Plans – two classes planned during the summer semester; a high school summer camp is scheduled for June 20th to July 21st with 20 students planned attendance.

Fall 2016 – sections are already at 85% with two months remaining for registration.

Discussion: Ed Woodworth asked how many teachers (answer: 1 FT, 4 PT with all having welding experience); Caryl Shill asked why numbers so high (answer: increased high paying job opportunities in welding occupations; further, one of the welding courses fulfills the GE class in Humanities (Welding for the Arts) providing students with an alternative)

F. High School/ROP Report to the Board

No report given

G. Recommendations from Advisory Board Members to the College

Through a change of management, faculty shared that classified personnel that managed the Auto and Welding shops has been reassigned to the viticulture department at 50% leaving Auto and Welding with 25% each. The equipment is rapidly declining due to lack of attention, students are being impacted by lab projects not prepared.

Discussion: Ed Woodworth asked what can be done about this? (answer: advisory recommend that the instructional assistant be devoted to welding at 50%; auto advisory recommending the same).

Recommendation: Instructional Assistant to spend 20 hours Auto and 20 hours Welding focused. Ed Woodworth 1st; Don Danner 2nd.

H. Other Business/Announcements

Special Projects -

Simon Engel, HDE Technologies, shared information about the Laser Welding program in which the vision is for a 3-level program (Beg, Int, Adv); Beginning – Observation in Nature, learning about process, limitations, advantages; Intermediate - Students would apply knowledge to closely supervised operation; and, Advanced – Student operation with a project on their own, setup the machine, perform simple tests, met requirements that are needed. The goal is to train at the level of the AWA standards.

Scott Miner, Faculty, shared out the process to the advisory in that an RFP was released with LaserStar being awarded the project. LaserStar delivered, installed, and trained on the equipment in April. Simon will be installing hardware and software on the machine in May.

Discussion: Caryl Shill asked how soon classes be rolled out (answer: hopefully in the Fall as Non-Credit);

Simon Engel, HDE Technologies, further shared out that he is rewriting AWS code; that the laser welding/processing is very much a part of industry, in fact, automotives are 80% laser welded. The demand for jobs is very high because many vocational schools didn't want to adopt the technology because there were not standards hence rewriting the code to meet the standards; the starting salary is \$56 – \$60k per year topping out at \$150k per year; there are 350 job openings for Cleaning Optics for 25 students (class in Ohio).

Discussion: Ed Woodworth asked how long are the courses (answer: 40 hours for each level); Simon Engel shared that AWS standards/code describes what is needed for prerequisites which include math (geometry, angles, trig), computer skills, dexterity, be able to take preprinted instructions to setup the machine, be detail oriented; Scott Miner announced that he will be creating an assessment test. Local employers include: Admeaties, Paradot, St. Judes, Thoratec, Tesla, Medtronic, (Medical Devices), Sandia, LLNL, Metal Improvement Corporation (laser peening), and Applied Fusion.

I. Date for the Next Meeting

TBD

Meeting Adjourned at 7:15 pm

Minutes submitted by Vicki Shipman

Tour of new laser printed followed meeting