



School of Applied Technology, Welding Technology

Meeting Minutes Spring 2017

Date: Wednesday, April 19, 2017	Number of Attendees: 13
Called to order: 6:10 p.m.	Adjourned: 7:25 p.m.
Chairperson: Sergio Montiel	Recorder: Lynn C Arndt
Members present from industry: 8	Members present from COC: 5
Next scheduled meeting: TBD	

Attendees:

Tim Baber	College of the Canyons	Kevin Dillon	K & D Welding
Michael Bastine	College of the Canyons	Darroll Houser	Jet Propulsion Laboratories
Harriet Happel	College of the Canyons	Brandt Klopp	RAH Industries
Ron McFarland	College of the Canyons	Dana Klopp	RAH Industries
John Milburn	College of the Canyons	Mark Kosek	Hart School District
		Sergio Montiel	Lincoln Electric Co.
		Vincent Sandoval	Airgas West
		Ryan Seymour	

Welcome/Introductions – All

Approval of Agenda – Approved

Approval of previous meeting minutes – Approved

Previous Business (updates)

12 Welding booth expansion, fume extraction system is complete. We need to fabricate the welding table and stand, finish interior lights and hang curtains.

GRANTS

AMPT Grant, additional outcomes will be completed prior to the end of the grant on July 31, 2017. We have received final approval of AWS CRAW Accredited Testing site is still in process and also expected to be completed by July 31, 2017. The two new 14 inch Sharpe Lathes that we purchased for the fabrication program, have been installed and are fully operational. This grant has also allowed funding for two outreach events using the COC Welding Roadshow. The first event was on March 24, 2017 at Arroyo Seco Junior High with a turnout of over 100 students. There were three stations that included wire welding, gas metal arc welding and virtual welding. This event received heavy media attention which was covered by SCVTV and also The Signal Newspaper. The second event will be held at Canyons High School April 21, 2017. Two summer programs are also being offered again, Nuts, Bolts & Thingamajigs for high school students and the Summer Institute available to Junior High School students. Dates to be determined.

Perkins Grant, a new hydraulic CNC Press brake was purchased as well as new welding software, WPS and WPQ, by C-Spec. We will be writing new WPS's for SENSE student completers, for testing under American Welding Society Accredited Testing Facilities. We also purchased six new metal hoppers to store student welding projects and scrap metal as well as another six new metal hoppers for expediting and storing cut metal coupons.

Lincoln Electric Robotic Welding Training at COC, Lincoln Electric and College of the Canyons training contract was executed by the Board of Trustees in March. This endeavor was a year and a half in the making. The very first Robotics training session will take place on June 26, 2017. Lincoln Electric is developing a badging program to train and qualify welding instructors to meet a level 1-3 status. **John**, COC is an authorized robotic training center for Lincoln Electric. We are running a pilot program in what will eventually include 7 centers. There is high demand for these classes. Alabama is doing this as well. We want to be the testing center for CRAW-O (operator), CRAW-T (technician) and CRAW-E (engineer). COC is working to acquire four new Lincoln Electric newly released Robotics Educational Cell before the first training. **Mark**, the Hart School District is interesting in acquiring one to two of COC's existing robotic cells to develop a robotics welding program at one of the local high schools, perhaps after school 4:30-6:00 p.m. There is an engineering pathway and robotics could be a pathway into manufacturing or welding.

CURRICULUM

At the State level the following programs have been recently approved:

Certificate of Specialization – Gas Tungsten (16.5 units), WELD-112 Introduction to Gas Tungsten Arc Welding, WELD-112B Intermediate Gas Tungsten Arc Welding, WELD-112C Advanced Gas Tungsten Arc Welding.

Certification of specialization – Pip Welding and Fabrication, WELD-113A Introduction to Pipe Welding, WELD-113B Pipe layout and fabrication, WELD-113C Intermediate Pipe Welding, WELD-114D Advanced Pipe Welding.

AWS SENSE PROGRAM (update)

AWS SENSE 2.0 launched in January, this is a comprehensive set of minimum Standards and Guidelines for a Welding Education Program. We are using SENCE online in 9 sections this spring. Some of the benefits this program brings are that there is a new online dashboard with major enhancements. It allows students to print their own training certificates upon completion of all requirements. It is transferable and gives lifetime access for students. Some challenges are that the district is charged a \$15.00 fee for every student to gain access. AWS will begin auditing schools and there is a \$2500 fee every five years, plus the cost of the third party auditor.

NEW BUSINESS

Enrollments

Summer 2017 WELD-092 Introduction to Metal Fabrication was offered. WELD-114B was cancelled due to low enrollment. WELD-101A Introduction to Shielded Metal Arc, WELD-101B Intermediate Shielded Metal Arc, WELD-101C Advanced Shielded Metal Arc, WELD-130 Welding Metallurgy and WELD-132 Blueprint Reading for Welders and Fabricators.

Fall 2017 WELD-112A Introduction to Gas Tungsten Arc Welding, WELD-113A, Introduction to Pipe Welding and WELD-113B Pipe layout and Fabrication. WELD-120 Industrial Welding will NOT be offered.

Labor Market Trends (Marketing of programs and completers)

Outreach

COC Welding Roadshow event was held on March 24, 2017 at Arroyo Seco Junior High with a turnout of over 100 students. There were three stations that included wire welding, gas metal arc welding and virtual welding. This event received heavy media attention which was covered by SCVTV, COC PIO and The Signal Newspaper. The second event will be held at Canyons High School April 21, 2017.

Internships

For more information or if interested in developing an internship please contact Gina Bogna at 661-362-3376 or gina.bogna@canyons.edu

Apprenticeships

College of the Canyons is still in the process of working with several companies who are interested in partnering with us to offer apprenticeships. COC has been given a grant to cover the cost of apprenticeships. We are reviewing the existing CAMAC welder apprenticeship and modify this to align with an aerospace welder emphasis.

Budget

Our welding department will be received \$330,000 from the district's one-time funding source to replace existing welding machines and peripherals that are beyond their useful life. An order has been placed for 12 advanced technology multi-process machines (LE Aspect 375) to replace existing machines that are 14 years old.

Careers Pathway Trust Grant

College of the Canyons has been working with the Hart School District and will be offering a Welding Program with a new welding lab at Canyons High School in fall 2018. Mark Kosek and Tim Baber are working together on the shop layout and curriculum development.

Curriculum Development

College of the Canyons is developing a new semi-automatic process program that covers GMAW-S, GMAW-spray, GMAW-Pulse (SENSE Certificate), FCAW-GS and FCAW-SS (SENSE Certificate). We are still considering offering non-credit courses in the Welding Program as well.

Announcements

Three additional The Boy Scouts of America Welding merit badges are being scheduled for fall 2017. Mike B., CNC classes are paid for through grant funds. Currently the registration fees are purchased in a block.

College of the Canyons is hosting National Manufacturing Event on October 6th. There will be industry leaders, a keynote speaker, students will tour labs in the fab lab (robotics and welding). This year we will have industry booths discussing employment opportunities. This event is available to junior high and high school students.

Sergio, NR232 trends welding consumable has risen 25%, infrastructure and electrode is also rising. PG&E nuclear plant is shutting down, which will take roughly 7 years, this gives welders an opportunity for employment. Kevin is in need of more Los Angeles City certified welders.

Action Items

Kevin Dillon and Sergio to discuss the changes in laws on vehicles