



Ceres Unified School District

ADMINISTRATION

Scott Siegel, Ed.D.
District Superintendent

STUDENT SUPPORT SERVICES DIVISION

Jay Simmonds
Assistant Superintendent

Career Technical Education Advisory Meeting – District Level

January 11, 2019

12:00 – 1:00 PM

Argus Multi-Purpose Rooms 32/33 - 2555 Lawrence Street, Ceres, CA 95307

Meeting Minutes

1. **Introductions** - Jay Simmonds, Assistant Superintendent, Student Support Services

• **CTE Funding Updates**

- Round 4 of the CTEIG grant through the California Department of Education is due at the end of this month (Jan 2019). This funding is targeted to support the Ag programs at both high schools and the District Ag farm, as well the technology pathway at CVHS.
- The projects associated with Round 2 and Round 3 of the CTEIG funding will be completed by the of the end of this school year.
- District also continues to support the various CTE programs with LCAP funding and other federal and state grant dollars.

2. **Pathway Updates:**

Ceres High CTE Pathways:

• **Animal Science** - Mardel Runnels

Animal Science students will receive concurrent course credit through MJC this year for those who completed the required paperwork and met the eligibility requirements. Students have been raising chickens and selling fresh eggs each week. Bad eggs are provided to the Science Department for further study and experiments. Students have been involved in FFA activities and competitions this year. These students are preparing and planning for spring and summer conferences and the fair.

Student presenters – Suzannah Lynn and Isaac Corona

Learning how to run a farmer's market type of process with the chicken eggs – selling to district employees each week. In Ag Leadership, learning more in depth information about the Ag industry and understanding of Ag as a business. Both students currently earning college credits at Modesto Junior College while taking this high school Animal Science course.

• **Ag Mechanics** - Brian Mortensen

Ag Welding and Ag Mechanics students are participating in many FFA activities this year. Students are working on fabrication projects for industry partners, including Fastenal.

Students have designed and are building 15 parts carts for Fastenal. Students are using the

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new computers and CAD software to design these carts and then are following through with building these carts from metal, steel, etc.

- **Public Safety (Criminal Justice) – Randy Cerny**
Business partners from Gallo Corporate Security and Ceres Police Department were unable to attend today. Chris Perry of the Ceres Police Department is a Ceres High alum who completed the Criminal Justice program with Mr. Cerny many years ago. This program has partnered with Gallo Corporate Security to provide students opportunities for industry tours and internships. Mr. Cerny is retiring at the end of this year after serving as a teacher and coach for 26 years, with an additional 13 years in the Stanislaus County Sheriff's Department. Over 250 prior students of Mr. Cerny's are currently working in law enforcement. Mr. Cerny will be greatly missed by students, staff and parents.
Student presenters – Gary Condit and Caleb Cannella
 - Gary thanked Mr. Cerny for his dedication to the students of Ceres High and for opening his eyes to a possible career in law enforcement. Gary plans to intern with the Stanislaus County Sherriff's Department. He stated this Criminal Justice program really prepared him for this career path.
 - Caleb wants to work at Gallo in their security division while he attends college. He eventually wants to work for the Ceres Police Department. He also thanked Mr. Cerny for his commitment to students and his inspiration as a teacher and mentor to countless Ceres youth.
- **Machine & Forming Technology (Manufacturing Academy) – Tracey Clark and Owen Brown**
First semester: 9th graders visited CSU Fresno, Covanta Energy and participated in Breaking Down the Walls session. 10th graders visited 511 Tactical, Modesto Junior College and participated in a Breaking Down the Walls follow up session. 11th graders visited CSU Sacramento, the State Capitol, Angel Island and Morning Star. 12th graders visited Flory Industries, the Wine Group and Fastenal Distribution center.
2nd semester – many more trips are planned including to Frito Lay, UC Merced, as well as a team of students competing in the Spring Solar Regatta.
Students also participate in Mock Interviews, VEX Robotics competitions, the Gateway to Industry program, solar installations (16 planned for this year), Farm to Factory event and many more events and activities. Students have an opportunity to earn certifications that include WorKeys, ASVAB, OSHA 10, and Solidworks.
Students provided a robot demonstration. Students in all grades in the Academy now get to experience the robotics module. Advanced students participate in robotics competitions against other districts. Students also take industry tours and participate in a mentor program with industry partners.

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Student presenters – John Bilyeu, Ruvy Pedrosa, and Sandra Lizola

Sandra has been in the Academy since her freshman year. She has participated in the Solar Regatta at Rancho Seco Lake. She also has used SolidWorks to design items and then print the images on a 3D printer. Ruvy stated she also has been in the Academy all four years and is a member of the Robotics Club. She has programmed and designed new parts for her robot this year. In her engineering class, she has designed a catapult, then measures distance and precision. John has also been in the Academy all four years. He created an individual project this year involving the development of a curriculum manual for the assembly and disassembly of a computer operating system. Owen stated that students are earning their OSHA certification and are working in collaboration with Ag Welding/Mechanics students to design and build the parts carts for industry partner, Fastenal.

- Design, Visual & Media Arts – Kristin Swanke, Tim Heintz, and Olivia Vigil

Kristin clarified that Computer Graphics 1 and 2 and Video Production were part of this pathway at Ceres High. 3 teachers – 12 sections. Students are learning and using Photoshop, Illustrator and Adobe Professional. Olivia described her experience as a summer intern through the local SPIE program. Her students this year in Computer Graphics designed logos for local non-profits (as a project based learning activity), as well as collaborated on a marketing campaign.

Student presenters – Tabatha Brown, Jesus Ochoa, and Genesis Ochoa

Tabatha spoke of her computer graphics class, that she has learned to paint digitally, edit, and to use Photoshop. It has allowed her to realize she can go to college for different career fields.

Genesis read her college application essay which was about what inspired her the most to want to attend college. She described her experience with this technology pathway at Ceres High and how it has opened a whole side of her that she did know and understand that she had – a need to be creative and skilled at the same time.

Jesus spoke of his video production class and how he is working on a music video, using a green screen and that he has learned a lot and wants to be a director of films and videos in the future.

Central Valley High CTE Pathways:

- Animal Science, Agri-Science, Plant & Soil Science, Ornamental Horticulture, Ag Mechanics – Kiah Featherstone represented the CVHS Ag instructional team.
Kiah mentioned that Ag students are working on the district farm a minimum of twice per week, currently on the garden beds and in the swine barn. 15 market hogs are currently being raised by students. Floral design students are designing, marketing and crafting a floral arrangement of the month and selling them to CUSD employees.

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Student presenters – Fatima Gutierrez and Mixtly Vega

Mixtly wants to become a large animal veterinarian. She is currently raising pigs on the district farm and tattooing rabbits for better tracking. Fatima is a floral culture student who is seeking a career in floral design or interior design. Both stated they are grateful for the opportunities they have from this program.

- Design, Visual & Media Arts – Kari Copley and Jessica Wersky
Both Kari and Jessica presented samples of student work and video presentations. Jessica's Animation class allows students to develop skills in bringing images to life; she teaches the 12 principles of animation; students learn to create a flip book using traditional animation skills; students learn about stop motion, design and story building; Jessica is allowing students to plan for more time to spend on the end result of projects – rather than the front end of the project. Students are using Adobe Photoshop among other software, including Adobe Flash. Students are learning and applying sound and transition. These students will transition into Advanced Animation next year.
Kari showed a video prepared by the Video Production students. She thanked Luis Alcazar (owner of local video production business) for being a partner for this pathway.
- Engineering & Design (Robotics and Computer Programming) – Rob Miller
Rob presented a video of students conducting an engineering exercise in which they must build a bridge from balsa wood sticks, glue and string. The winning bridge was able to with stand 40lbs of weight. Students, Alexis Garcia and Martin Orosco won the challenge. Student Oscar Molina created the video presentation.

3. CTE Participation Outcomes: Julie Lynn Martin, Grants Administrator, Ceres Unified

- 2017/2018 Data Presentation

The following information regarding the 2017/2018 CTE student enrollment was shared through a power point presentation.

- 2, 029 enrolled students in CTE courses
 - CVHS 1,005
 - CHS 1,024
- CTE Pathways (11)
 - Ag Mechanics
 - Animal Science
 - Agri-Science
 - Ornamental Horticulture
 - Plant & Soil Science
 - Design Visual & Media Arts
 - Engineering and Design
 - Software and Systems Development

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- Machine and forming Technology
- Welding & Materials Joining
- Protective Services
- CTE Enrollment is comprised of:
 - 39% Female and 61% Male
 - American Indian .6%
 - Asian 4.7%
 - Pacific Islander/Filipino .6%
 - Hispanic/Latino 77%
 - African American 1.6%
 - White 15.1%
 - Other Ethnicity .4%
 - Migrat 7.3%
 - EL/LEP 6.3%
 - Special Ed/Disabled 11.2%
 - Economically Disadvantaged 82%
- CTE Graduation Rate 96.1% (617 out of 642, 12th graders)

This presentation is available for download from the Ceres Unified School District Career Technical Education webpage at

http://www.ceres.k12.ca.us/student_support/career_technical_education_c t e .

Questions:

Career Technical Education Program

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