

Career & Technical Education Newsletter



Volume 01 . September 2019

www.madcollegeandcareer.com/cte

Mission Statement

CTE (Career Technical Education) is learning that works for Oregon. CTE is helping our nation meet the very real and immediate challenges of economic development, student achievement, and global competitiveness.

Meet our Team!

Programs of Study



Construction: Mr. Elwell

Business Leadership, Carpentry, Construction, & Marketing

In the Construction program we use hand and power tools to explore multiple trades and create multiple projects. Our program will increase construction and planning skills along with exploration of the business side of construction.

Computer Science: Ms. O'Malley

AP Computer Science, 3D Modeling, Computer Science 1-2, & Computer Science 3-4



Computers and code influence almost every aspect of our lives today (entertainment, healthcare, transportation, shopping, science & research, manufacturing, banking and investments, sports...). The Computer Science program provides a background in coding via projects that include making games and art.



Design & Applied Arts: Ms. Russell

3D Design, Intermediate Ceramics & Sculpture, Advanced 3D Design & Textiles

Design & Applied Arts: Mr. Harpster

Foundations of Ceramics & Sculpture



The Design and Applied Arts program combines the aesthetics of the Visual Arts and applies them to create and cast products. Students will gain technical skills along with the foundations of Visual Arts and apply these to a marketable career in Textiles, Industrial Design, Jewelry, and Ceramic Technology.

Events & Guest Speakers

Wacky Wednesday Events:

9/11/19- Photobooth: PhotoVideo

9/25/19- Make a Button: 3D Design

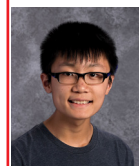
Field trips:

9/19/19-Sustainable Agriculture students went on a Field trip to Kadinky Family Farm, where they got to harvest vegetables, herbs and flowers, and make food, herbal salve, and flower bouquets from the harvest. We also collected apples for a day of cider pressing, and students got to take home fresh apple cider.

Guest Speakers:

9/27/19- BioMed hosted the American Medical Women's Association who spoke about workshop and mentoring opportunities.

Student Spotlight



Justin Feng: 12th grade is taking on an aquaponics project. Water from a fish tank is used to fertilize plants, which in turn filters the water.



Georgia Rector: 12th grade is currently working on a capstone project for digital media as a third year student.





Digital Design: Mr. Maves

Graphic Design 1-2, Graphic Design 3-4, Photography 1-2, Photography 3-4, & Advanced Digital Media Capstone

Digital Design: Mr. Harpster

Photography 1-2 & Yearbook



The Graphic Design program allows students to creatively communicate ideas and information through the means of media, graphic design and art. Students in the program will develop the technical and communication skills needed in the graphic design and media industry.



Engineering: Mr. Fields

Engineering 3-4

Engineering: Mr. Hudson



Engineering 1-2, FTC Robotics, POE, & Senior Design

Students engage in open-ended problem solving, learn and apply the engineering design process and develop vital teamwork, communication and critical-thinking skills. Throughout the courses, students use the same technology and software as the world's industry leaders.



Education Preparation: Ms. Onnis

Introduction to Education

Students in this program of study will explore the history of schools, current events in education, and receive the opportunity to earn college credits. In addition, students participate in an internship alongside a certified teacher in the spring. Our goal is to explore the field of education or child development as a future profession.

Biomedical Sciences: Mr. Mellgen

Principals of Biomedical Sciences (PLTW), & Medical Interventions (PLTW)



Biomedical Sciences: Ms. Gill

Biomedical Innovations (PTLW) & Human Body Systems (PLTW)



The Biomedical Sciences Program is an extraordinary opportunity for students to embark with hands on experiments, projects, and activities in the biomedical world. Students investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Additionally, Biomed will be offering a new summer internship partnership with Providence Hospital's Robert W. Franz Cancer Research Center .



Urban Agriculture: Ms. Wienke

Sustainable Agriculture & Urban Farming

Madison's Sustainable Agriculture Program is rooted in hands-on learning, teaching practical gardening, cooking, and business skills. Agriculture is the intentional attempt by humans to influence what plants grow where, when. Sustainable agriculture is a system of growing food and fiber that does not damage the soil, air or water, even over many generations.

Technology News

NEW LARGE FORMAT PRINTER!!!!

The Digital Media department just received a new 54" wide printer. It has the capability to print vinyl banners, stickers, canvas, and large images. We are hoping to leverage the maintenance costs with outside printing jobs to keep the cost to Madison projects down. Feel free to stop by A25 see it in action and if you have a cool project or idea that we could help with, complete the questionnaire below and we will contact you about your project.



METAL SMITHING AND JEWELRY MAKING COMING TO 3D DESIGN.



3D design will be introducing Metal Smithing and Jewelry making into our program second semester. We will learn many techniques such as: soldering, texturing, stamping, forming rings and bracelets, free form stone setting and bezel setting. This is an exciting year to be in 3D.