



CTE DIRECTIONS

Career and Technical Education (CTE) News and Information

January 2019

Career and Technical Education provides all students access to high-quality, rigorous career-focused programs that result in attainment of credentials with labor market value.

Happy New Year

Students, as you plan for the new year and make some resolutions, consider:

- Applying for a [CTE Scholarship and Tuition Award](#). Application deadline is Friday, February 1, 2019. (Seniors only.)
- Becoming a member of a [Career and Technical Student Organization](#) (CTSO).
- Creating a portfolio in [UtahFutures](#).
- Meeting with your school counselor to assure that you are on track to become a CTE Pathway completer. (A CTE Pathway completer is eligible to receive a *Secondary Pathway Completer Recognition Award* at graduation.)

Student Highlight

Daud Mumin is a student at Copper Hills High School and is a state officer in HOSA. He is also the Social Science Sterling Scholar for Copy Hills High School. While participating in CTE he had the opportunity to listen to guest speakers and participate in hands-on activities such as dissections and suturing. He credits CTE and HOSA for guiding him on his career path. Here is his story.

"In 1996, my mother and father immigrated from the war-torn country of Samalia. Growing up my parents taught me the values of hard work, dedication, and preparation. Going through middle school I didn't know how to pursue my dreams of becoming a cardiothoracic surgeon. When I entered high school plenty of doors opened for me and CTE did just that. HOSA, Future Health Professionals, was an area in which I could succeed and prepare myself for college and pursuing my dream. With speakers and hands-on activities such dissections and suturing, CTE helped me reach a career decision that I thought I would never have. CTE helped me maintain a focus and understanding of my goals. This had a huge impact on my life and I thank CTE and HOSA every day for the opportunities."



What is your CTE story?



Joel Marquez: New USBE/CTE Education Specialist

Joel Marquez has joined the Career and Technical Education section at the Utah State Board of Education as the new CTE Education Specialist. Joel comes from Jordan School District where he taught special education at Copper Hills High School. Joel has a wide variety of experiences and backgrounds that make him an excellent addition to CTE.

In his 10 years of teaching, Joel has taught a multitude of subjects including consumer health, secondary math, programming, Web development, game development, and personal finance. Joel is goal-orientated and works hard to provide great opportunities to help further students in their career and educational pathways. We are excited to have him join CTE and know that good things will be happening.

ADA Compliant: January 2019

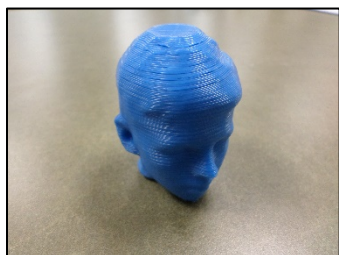
3D Printing Lab at Hillside Middle School

Jeff Streba, a teacher at Hillside Middle School, has been teaching since the year 2000. Prior to teaching he was a project manager in the aerospace industry designing manufacturing processes for jet engine parts. Jeff teaches technical education and has a passion for teaching his students about 3D printing. Here is his story.

“As a CTE teacher at [Hillside Middle School](#) in the Salt Lake City School District I have started a 3D printing lab. I currently have eight printers and I am looking for financing for at least six more. Students love 3D printing. There are always more students wanting to print than there are printers. Due to the lack of printers the class is held as an after-school program rather than during normal class times.



“One of the nice things about 3D printing is the students can take it to whatever level of difficulty they want. The most basic level would be to download an already made object from a website like [Thingiverse](#) or [YouImagine](#) and print something. Even at this level, middle school students learn about zipped files, the size and scale of objects, bed adhesion, and the basics of 3D printing.



“The next step is to have students design their own object. For this, the students use [SketchUp](#). This works great because in the 7th grade [College and Career Awareness](#) class, SketchUp is part of the curriculum in the Information Technology Pathway. In the 8th grade Exploring Technology class, the students build upon the knowledge learned the year earlier. Having a foundation of designing 3 dimensionally prepares middle schoolers for digital media classes in high school. Many students dive into SketchUp by designing their house and printing it. I actually had one student design our school.

“3D printing is an exciting technology to introduce to students. Having one printer is a novelty and students simply watch it work. Having several printers allows the students to learn skills that will carry them to high school and beyond. 3D printing also creates an excitement and frenzy about learning something new, and after all, isn't that what we want?”

Read Jeff's full story on [Facebook](#).

CTE Month Publications and Resources

SAVE THE DATE: February is CTE Month! Plan to join students, educators, and administrators across the state of Utah and throughout the nation in celebrating Career and Technical Education.

As announced in the November *CTE Directions* newsletter the theme for CTE Month is “I am CTE.” As you prepare to celebrate all things CTE refer to the publications and resources on the [CTE Month webpage](#). Below are a few highlights:

- [Announcements](#)
- [28 Things to Do During CTE Month](#)
- [Advocacy for CTE](#)
- [CTE Month Pass Along Cards](#)
- [Promoting CTE Month in the Classroom](#)



[CTE Facts](#) | [Marketing](#) | [Resources](#)

Tell us how your classroom, school, or CTSO is going to celebrate CTE Month. Email your stories to UtahCTE@schools.utah.gov.

Calendar:

January 10: [Utah State Board of Education](#) Meeting – 250 East 500 South – Salt Lake City, UT

January 16: [Utah State Charter School Board](#) Meeting – 250 East 500 South – Salt Lake City, UT

January 22: First day of 2019 Utah Legislative Session – continues through March 8, 2019 – Utah State Capitol

[Utah CTE Calendar](#) | [ACTE Calendar](#) | [Utah School Calendars](#)