

## CAMP OVERVIEW

### Week 1

**6/26:** Students will be provided introductory information about the camp including key safety rules. They will be introduced to Computer-Aided Design software and design a sticker of their name using the vinyl cutter. As a group, they will create a camp logo and develop a sticker for the camp.

**6/27:** Students will experiment with LEDS, be introduced to soldering and experiment with circuitry.

**6/28:** Students will be introduced to 3-D Design to begin their 3D "Dog Tag" project.

**6/29:** Students will spend the morning at UCC exploring potential career and post-high education possibilities. At Phoenix, they will finalize their 3D Dog Tag design, and be introduced to laser cutting and etching to make a name tag.

**6/30:** Students will complete their name tag project and make personalized stickers for their nametags.

### Week 2

**7/10:** Students will add LEDs to their name tags and begin working with acrylics.

**7/11:** Students will laser cut and etch a 3D model.

**7/12:** Students will convert their 3D model to a robot.

**7/13:** Students will be introduced to Drone technology.

**7/14:** Students will choose their own project and medium to create their product.

## REGISTRATION FORM

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Physical Address: \_\_\_\_\_  
\_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Grade: \_\_\_\_\_ School: \_\_\_\_\_

Gender:  Male  Female

Transportation needed?  Yes  No

Please write a short answer on why you would like to participate in this camp.

You may register online using the following link or QR code:

<https://tinyurl.com/jub35si>



Or return this form to Phoenix High School attn:  
CJ Bryant [cjbryant@roseburgphoenix.com](mailto:cjbryant@roseburgphoenix.com)  
ph: 541 440-1118



**EXPANDING HORIZONS 2017**

High School  
Advanced Technologies  
and  
Manufacturing Camp

**8:00am – 3:30 pm**

**Week 1: June 26<sup>th</sup> – 30<sup>th</sup>**

**Week 2: July 10<sup>th</sup> – 14<sup>th</sup>**

**Phoenix School**

3131 NE Diamond Lake Blvd  
Roseburg, Oregon  
541-440-1118

## COMMUNITY PARTNERS



## MEAL OPTIONS

Phoenix will be hosting the summer meal programs. Breakfast and lunch will be available free of charge.

## LED TECHNOLOGY

# EXPLORE THE POSSIBILITIES

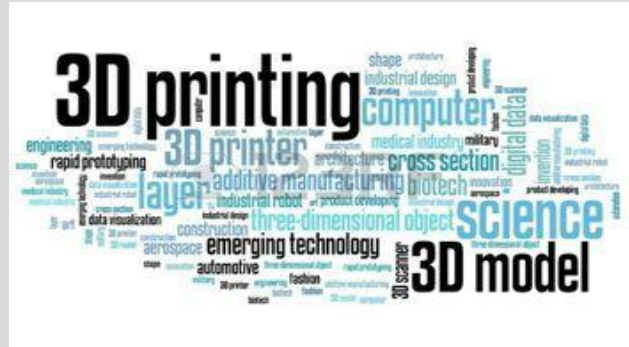
**INFO ABOUT THE EVENT:**  
This ten day camp will focus on introducing high school students to the Advanced Technology and Manufacturing tools and skills including Computer Aided Design (CAD) Drafting, laser cutting and engraving and 3-D printing. Students will gain hands on experience and produce a 3D 'Dog Tag' to bring home. They will also be introduced to college credit opportunities that Phoenix and local high schools offer for the Career Technical Education classes, and students will be exposed to different high-wage, high demand jobs that are available in our area for individuals who possess skills taught in the RHS and PCS CTE programs.

## COMPUTER-ASSISTED DRAFTING



## Laser Cutting and 3D Printing

Students will have the opportunity to be introduced to CAD programs, learning how to design a functional mechanical piece. They will also see opportunities present in creating manufactured prototypes with the 3D printers. If they proceed to be in the 2<sup>nd</sup> class at the end of the week, students will be able to create their own prototype piece to take home.



## ROBOTICS AND DRONES