



## Registration info

Students - If you're in 8<sup>th</sup> thru 12<sup>th</sup> grade and attend school in one of IMESD's component school districts you may register for Tech Expo 2018, (no entrance fee). Tech Expo will be held at EOU in La Grande, OR on Wednesday, 3/14/2018. School districts will be transporting students to this full day event; lunch at the Mountie Cafe' will be provided

by IMESD.

## Registration Instructions

- Select **one** team ticket that has sessions you're interested in; session descriptions are available on IMESD's website at <https://imesd.k12.or.us/initiatives/technology/tech-expo>
- Registration opens Monday, 1/8/2018; link is: <https://imesd-techexpo2018.eventbrite.com>; registration deadline is 3/2/18
- Accepting the terms and conditions during submission includes acceptance of IMESD utilizing any digital images of you while participating in Tech Expo 2018

*\*Note - Team and course selection are subject to change depending on the total students who register and course availability.*

## Tech Expo 2018 – Course Descriptions

### **3D Animation**

Hands-on exploration of the creation of 3D animations used for film or video games held in EOU's Mac Lab. Presented by Dr. Richard Croft, EOU Faculty of the College of Arts & Sciences.

Location: Loso 235 - Mac Lab

### **3D Printing**

Exploration of 3D printing and applications; review process comparisons and the endless possibilities. Presented by Will Lehnertz, EOU Information Technology.

Location: Ackerman 208 - Alumni Room

### **Cyber Security**

An introduction to cyber security issues. We'll look at how vulnerable all devices are to being hacked and work on what we can do to prevent an invasion.

Presented by Dr. Stephen Clements, EOU Faculty of the College of Business.

Location: Zabel 250

### **EOU Campus Tour**

Join EOU Alumni and Campus Ambassadors to get a personalized tour of the campus. Presented by EOU Admissions Department.

Location: Inlow 101 - Welcome Center

### **e-Commerce WebDev**

Hands on experience with web development strategies for creating a website for e-commerce.

Presented by Wilson Zehr, EOU Faculty of the College of Business.

Location: Zabel 224

### **Kano Computer Build**

Simple computer build using a Raspberry Pi and intro to computer programming after assembling your own computer. Presented by Annett Conner, IMESD IT Web Services Analyst; Joel Sou and Adrian Aguilar, IMESD IT Technology Specialists.

Location: Inlow 011

### **Makey Makey**

Hands on exploration of how every day objects can be more than they appear with Step's Chromebook lab. Presented by Nancy Campbell, IMESD IT Technical Specialist and Steve Merrick, La Grande SD, Helpdesk Support.

### **Maximizing Your Social Media Presence**

Learn how your online presence can have an impact on your future; prepare now to make sure it doesn't limit your success. Presented by Justin Chin, Director of EOU Career Services.

Location: Hoke 301

### **Networking Lab**

How does the Internet get to you? Where does that cable go after leaving the back of your computer? In this session you'll have the hands on opportunity to build your own network cable. We'll also see what happens when you plug a computer and other devices into a network switch. Presented by Caden Sipe, IMESD IT Technology Specialist.

### **PiBots**

An introduction to coding with electrical components using raspberry pi's. Learn how to turn on a light with a computer! Presented by Jason Shirley, EOU Computer Science Major. Presented by Jason Shirley, EOU Computer Science Major.

Location: Badgley 105 – Computer Science Lab

### **Science Explorations With Chemical Instrumentation**

Have you ever asked yourself how the complex instruments in CSI shows work? In this session you will have an opportunity to conduct hands-on activities on instruments that are used in chemical laboratories to discover new medicines, solve forensic mysteries or check the purity of food and beverages. Presented by Dr. Anna Cavinato, EOU Chemistry Faculty of the College of Arts & Sciences.

Location: Badgley Hall 332 - Instrumental Lab

### **Scratch Programming**

Learn more about creation of basic animations, games, etc. with this free visual programming language, held in one of EOU's computer labs. Presented by Peter Hernberg, BMCC Math and Computer Science Instructor and Rob Davison, IMESD IT Helpdesk Support.

### **Sphero**

Experience the fun of programing and "driving" these spherical robots as you navigate them through various activities. Presented by Kylee Naughton, IMESD IT Technology Specialist and Levi Thieme, IMESD IT Helpdesk Support.

### **Tech Fun w/Cayuse Technologies**

Learn the back-story and techniques of app development with Cayuse Technology; enjoy the opportunity to interact with a custom-built game. Presented by Alger Brigham, Cayuse Technologies, Senior Software Engineer.

**Umatilla School District Drives a Bot**

Umatilla School District Robotics students will display a robot with amazing capability and an interesting past.