2019 WITEA Spring Conference
"Expanding the Possibilities"
March 7-9, 2019 | Wenatchee Convention Center

This year's conference promises to be a great one! We already have several great sessions lined up. We are also pleased to offer several pre-conference sessions from 9 am to 4 pm on Thursday the March 7. (See Class Descriptions below)

- **Drones - Make and Take: $400**
- **Plasma/CAD/Welding - Fire Pit Make and Take: $250**
- **Core+ Aerospace: $150**
- **TSA Competitive Events (Structural, Flight, CO_2, and Off-the-Grid): $150**
- **Introduction to VEX Coding Studio: $150**

No meals are provided for the pre-conference sessions. There will be more details to come in the near future and be posted on the website. We want to encourage you to register for our Spring Conference and consider submitting a request to present. We already have several exciting sessions planned, but we can always use more.

To sign up to be a presenter, please use the link below.

https://goo.gl/forms/0HK1uN2iCzf5Jxnw2

CONTEST: Design our conference program cover. To participate, please visit this link:

https://sites.google.com/a/washingtontsa.org/witea2/news-announcements/2019covercontest

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Class Descriptions:

Drone: Make and Take: Cost: $400   Limit: 20

Attendees will assemble, configure, and operate the robust Flite Test (FT) Gremlin multirotor using the FT STEM curriculum and Engineering Design Model. Session participants will receive a Gremlin multirotor kit, batteries, battery charger, transmitter, and receiver. Participants MUST contact Trevor Sills (Quincy HS) at TSill@qsd.wednet.edu to receive pre-conference instructions.

Fire Pit: Make and Take: Cost: $250   Limit: 8

This hands-on workshop will introduce AutoCAD software, CNC plasma cutting, and MIG welding. Attendees will be given a pre-drawn fire pit pantheon plans and will then customize all 5 sides of the pit with their own drawings of animals and outdoor scenes, you will then fabricate and finish all sides by welding and blending corner welds with a hand grinder.

Core+ Aerospace: Cost: $150

Topics to be covered include Precision Measurement & Precision Measuring Tools for Core Plus, Manufacturing Math for Core Plus, and best practices.

TSA Middle School Competition Prep: Cost: $150

This hands-on session that will cover several middle school TSA competitions, including Dragster Design, Off the Grid, Structural Design and Engineering, and Flight Endurance. This is an excellent resource for new advisors and those looking to strengthen their TSA programs.

Introduction to VEX Coding Studio: Cost: $150

This hands-on session that will introduce participants to the new coding software used with VEX Robotics. VEX Coding Studio (VCS) is a free, classroom and competition friendly coding environment for VEX EDR V5 hardware. VCS contains multiple languages and coding styles providing a low barrier to entry and a high ceiling. Students can start programming with blocks, smoothly move to textual programming, and eventually to advanced object-oriented concepts. Please download the software prior to the session.

Use this link to download the software.   https://www.vexrobotics.com/vexedr/products/programming