

ATTENTION FUTURE SCIENTISTS AND ENGINEERS!



2020 RESEARCH AND ENGINEERING DESIGN ACADEMY

A FREE, virtual series of workshops designed to guide students to complete a research or engineering project and enter it into the 2021 Orange County Science and Engineering Fair.

Each workshop will begin with a general discussion of the week's topic followed by small breakout sessions with mentors for further discussion and practice and to answer specific questions. Students will be assigned to breakout groups based on general topic area.

- Two independent sessions
 - » Academy 101: For students with no prior science / engineering fair experience
 - » Academy 201: For students who have previously completed science / engineering projects
- Each Academy limited to 60 projects.
- Individual and Group Projects may register
- All sessions are FREE and conducted on Zoom
- Eight weekly sessions meet on Saturday from 4:00 to 5:30 pm. Your attendance at all sessions is critical!

Schedule *

Week 1	September 26, 2020	Introduction to Research and Engineering Design
Week 2	October 3, 2020	Background Research to Formulate a Problem
Week 3	October 10, 2020	Formulate Question/Hypothesis (for Science)/Solution (for Engineering Design)
Week 4	October 17, 2020	Develop Research/ Design Plan and Materials List
Week 5	October 24, 2020	Research: Data Collection; Test and Modify Design
Week 6	November 7, 2020	Data Analysis; Validity/ Reliability; Types of Data Analysis
Week 7	November 14, 2020	How to Develop a Quality Presentation
Week 8	November 21, 2020	Tips on Meeting with Judges

* Schedule for Academy 101. Academy 201 schedule follows similar track but may be adjusted based on student needs

For more information and to register go to ocsef.org/academy