

Teachers Taking Flight STEM Training

MUST BE REGISTERED TO ATTEND - LIMITED to 25

ADDITIONAL REGISTRATION: \$750

LOCATIONS: NEWTech Skill Center & Davenport Grand Hotel

SCHEDULE:

- August 3rd, Saturday - 12:00 to 4:00 – NEWTech Skill Center
 - Session 1 – Intro to scratch-built aircraft in the classroom/FT STEM
 - Session 2 - Intro to soldering/Lithium battery safety and charging.
 - Session 3 – Flight with your Phone: Building/designing aircraft to fly with your mobile device
- August 4th, Sunday - 8:00 to 4:00 - NEWTech Skill Center
 - Airplanes, EZ Glider, single motor, twin motor, and design challenge
 - Morning session 1– Glider and airplane systems setup
 - Morning session 2 –Powered airplane: single and twin motor configuration
 - Afternoon session – Airplane Design Challenge/Engineering Design Model
- August 5th, Monday – Davenport Grand
 - Into to FT STEM and the Engineering Design Model: What administrators and directors need to know before aircraft are flying at your school.
- August 6th, Tuesday - 8:00 to 4:00 - NEWTech Skill Center
 - Multirotors, FT microbrushless build and operations
 - Morning session 1 – multirotor build, configuration, safety, and operations (line of sight)
 - Morning session 2 – Intro to FPV and FPV flight/video transmission frequencies
 - Afternoon session – Design Challenge, obstacle course build and event organization/flight operations.
- August 7th, Wednesday - 7:00 to 11:00 - Davenport Grand
 - Session 1 – multirotor FPV challenge/operations demo
 - Session 2 – Where do we go from here? Reflection and plans to implement the EDM model with scratch built aircraft back in your districts