

LEVEL 2

ISS Space Apprentice

4

Launch into Circuitry



7th to 12th grade



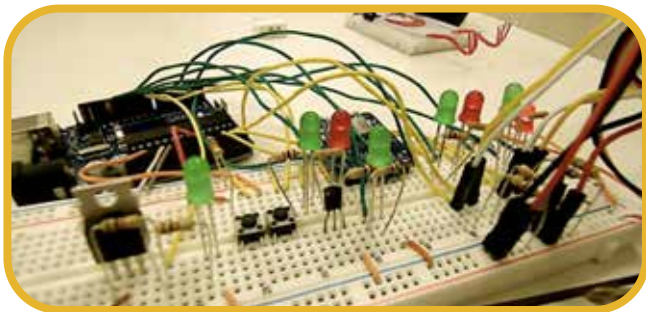
Arduino based



UC Certified 30 hour curriculum



Convection & Radiation heat experiments



Team collaborative applied electrical, mechanical and software engineering principles.

Recreate Quest Shield on breadboard

Level 2 Space Apprentice is a hands-on experience for students 7th to 12th grade, it builds on the Level 1 Inspiration Station experience and prepares them for the aspiration of the Level 3 Research Lab program by taking them deeper into the tools necessary for space research. Students perform different engineering roles to develop the technical skills in electrical, mechanical and software engineering in order to run an automated experiment on the ISS. The Space Apprentice program uses a 30-hour, UC Credit Approved curriculum with lesson plans for teachers/mentors to guide the students through the entire learning process.



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