Engineering & Technology [FOR MIDDLE OR HIGH SCHOOL STUDENTS]

Course Description:
This course is a hybrid of physical and virtual engineering design and technology learning experiences. Students will apply critical thinking and hands-on experiential learning to design and build "Internet of Things" electronics. Computer-aided design and virtual reality simulation software will be used to teach and learn electronic components and microcontrollers to complete real tasks. Students will use Whitebox Learning, Tinkercad, and other industry-based education software for design and performance coding. Students will require a laptop computer and a small workspace for lab projects.