



Who we are:

The PicoTech Institute is a 21st-century learning center, offering a wide range of services for K-12 students and revolutionizing the modern classroom by providing cutting-edge STEM curricula, known as Project RED. All units are designed around student driven, project-based learning to introduce students to emerging STEM fields.

Our Pedagogy:

PicoTech's Project RED Pedagogy was created not only by experienced educators, but also by our highly skilled engineers from our parent company, PicoTurbine, which has 10+ years real world experience. Our programs have been extensively piloted with hundreds of schools throughout the world. Ultimately, Project RED creates an environment that fosters the development of leadership, social, and communication skills.



Our Core STEM Modules:



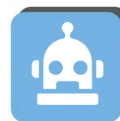
Mechanical Engineering



Biomedical Engineering



3D Printing & Design



Computer Engineering



Civil Engineering



General Sciences

Our Most Popular Modules:



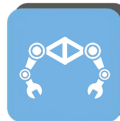
Automobiles



Prosthetics



Product Development



Hexapods



Dream House



Heart Rate Monitor

Some of our other 100+ offerings:

Mechanical Engineering

- Manufacturing
- Physics
- Aerodynamic Structures
- Materials
- Tails
- Wings
- Landing Gear
- Rovers
- Rockets
- Cars
- Trains
- Chassis
- Engines
- Mechanics
- Motion
- Surfaces

Biomedical Engineering

- Brain
- Nervous System
- Cells
- Circulatory System
- Artificial Hearts
- Lungs
- Skeletal System
- Biomechanics
- Eyes
- Liver
- Hearing Aids
- Artificial Ears
- Ocular Prosthetics
- Joints
- Hand Anatomy
- Electronics & Circuitry

Design

- Game Board Design
- Braille Game Design
- Everyday Objects
- Packaging
- Musical Instruments
- Dream Toy
- Home Goods
- Fusion 360
- TinkerCAD
- Solidworks
- Design Process
- Brainstorming
- Marketing
- Applications
- Prototyping
- Manufacturing Processes

Computer Engineering

- Computer Science
- Electrical Engineering
- Hardware
- Python
- Arduino Boards
- Hexapods
- Microbots
- Processing
- 21st Century Technology
- Scratch
- Electronic Components
- Circuits
- Practical Applications
- Syntax
- Logic
- Functions

Civil Engineering

- Dream House
- Sustainable Houses
- Resiliency
- Futuristic Houses
- Design
- Forensic Engineering
- Geotechnical Engineering
- Structures
- Surveying
- Urban Planning
- Zero Carbon City Design
- Environmental Engineering
- Roads
- Sewage & Pipelines
- Dams
- Airports

General Sciences

- Natural Selection
- Adaptation
- Ecosystems
- Heart Rate Monitor
- Water Filtration
- Geothermal
- Sustainability
- Hydro Power
- Wind Turbines
- Hydroponics
- Solar Energy
- Community Energy
- Energy Usage
- Economics
- Metabolism
- Genetics