

ENGINEERING



Grade 3-4

- Air Everywhere
- Air Power
- Classifying
- Climate & Weather
- Electricity
- Gears
- Home Design
- Levers
- Magnetism
- Patterns
- Pulleys
- Skyscrapers
- Structures
- Wheels & Axles
- Compass Creations
- Design & Test
- Energy & Work
- Forces
- Motion
- Scientific Skills
- Waves

Grade 5-6

- Energy
- Engineering
- Geometry
- Matter Matters
- Puzzlers
- Rocketry
- Simple Machines
- Systems
- Pulleys
- Transportation
- Circuits
- Interactions
- Limited Resources
- Motion & Force
- Science & Society
- Scientific Data
- Scientific Discovery
- Space Exploration
- Systems
- Technology & Design

Grade 7-8

- Applied Physics
- Astronomy
- Biotechnology
- Dynamic Earth
- Electricity
- Engineering Bridges
- Graphic Communications
- Gravity
- Heat & Energy
- Logic & Reasoning
- Material Science
- Natural Disasters
- Oceanography
- Package Design
- Reactions
- Research & Presentation
- Robots
- Statistical Analysis
- Weights & Measures

Grade 9

- Alternative Energy
- Bioengineering
- CADD
- Climate & Biomes
- Construction Management
- Creative Solutions
- Digital Manufacturing
- Electronics
- Energy, Power & Mechanics
- Engines
- Flight
- Forces
- Lights & Lasers
- Plastics & Polymers
- Rocket Science
- Simple Machines
- Webmaster
- Weather

Grade 10-11

- Engineering**
 - Analysis & Testing
 - Physics
 - Planning & Design
- Digital Manufacturing**
 - Fabrication
 - Materials
 - Design
- Aerospace Rocketry**
 - Aerodynamic Engineering
 - Mission Control
 - Propulsion Engineering
- Intelligent Systems**
 - BioRobotics
 - Dynamic Logic
 - Sensory Imaging

Grade 12

- Engineering**
 - Engineering Communications
 - Engineering Physics
 - Engineering Prototyping & Analysis
 - Engineering Systems & Controls

Addresses

48% NCTM
79% NSTA
85% NCTE

Addresses

52% NCTM
78% NSTA
86% NCTE

Addresses

73% NCTM
79% NSTA
75% NCTE

Addresses

70% NCTM
43% NSTA
67% NCTE

Addresses

58% NCTM
55% NSTA
75% NCTE

Addresses

61% NCTM
33% NSTA
67% NCTE

39 Careers

30 Careers

86 Careers

74 Careers

31 Careers

57 Careers