

TECHNOLOGY LAB

GRADES 5 - 8

CONTENT BY MODULE

ELECTRICITY AND ELECTRONICS

- Understand the basic circuits and electronic components

ROBOTICS

- Basic robot programming to complete simple tasks

COMPUTER AIDED DRAFTING

- Use of computer to complete mechanical type drawings

COMPUTER GRAPHICS

- Students design and make signs, brochures and floor plans

ENGINEERING

- Understand the proper use of building materials and design techniques

FLIGHT TECHNOLOGY

- Working with and understanding rocket flight and exploration

RESEARCH AND DEVELOPMENT

- Automotive design and aerodynamic exploration

COMPUTER NUMERICAL CONTROL

- Students build an understanding of how CNC is used in industry as well as learning the programming process

MATERIALS PROCESSING / WOODS AND MACHINERY

- Basic skills woodworking

SKILLS

- Reading
- Writing
- Mathematics
- History dealing with each module topic
- Career education
- Computer and program operations
- Hands on experience / Experimentation
- Inter-Net browsing