## MIDDLE SCHOOL

<table>
<thead>
<tr>
<th>GRADE 6</th>
<th>GRADE 7</th>
<th>GRADE 8</th>
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</table>
| Exploring Engineering and Industrial Technology  
(6-week) | Engineering and Industrial Technology  
(quarter) | Industrial Technology  
(semester) |
| Engineering Technology  
(semester) | | |

## ENGINEERING & DRAFTING DESIGN TECHNOLOGY  

### HIGH SCHOOL

### DRAFTING DESIGN TECHNOLOGY
- Introduction to Engineering and Design  
(full year, 9-12)
- Civil Engineering and Architecture  
(full year, 10-12)
- Advanced Concepts in CAD  
(full year, 11-12)

### ELECTRICITY TECHNOLOGY
- Power and Energy Technology  
(semester, 9-12)
- Basic Electricity / Electronics  
(semester, 10-12)
- Digital Electronics  
(1.5 Credits, 11-12)  
@ Summit Technology Academy

### ENGINEERING
- Introduction to Engineering and Design  
(full year, 9-12)
- Principles of Engineering  
(full year, 10-12)
- Civil Engineering and Architecture  
(full year, 10-12)
- Aerospace Engineering  
(1.5 Credits, 11-12)  
OR  
Computer Integrated Manufacturing  
(1.5 Credits, 11-12)  
OR  
Digital Electronics  
(1.5 Credits, 11-12)
- Engineering Design and Development/EFE  
(full year, 12)  
@ Summit Technology Academy
- Aerospace Academy  
(full year, 11-12)  
@ Summit Technology Academy

### INTERNSHIPS

Students from career and technology pathways are encouraged to participate in an internship senior year.
- Cooperative Career Experience  
Course & Internship  
(full year, 12)
LEE'S SUMMIT SCHOOL DISTRICT – ENGR & IND. TECH DEPARTMENT
ENGINEERING & INDUSTRIAL TECHNOLOGY

MIDDLE SCHOOL

GRADE 6
- Exploring Engineering and Technology
  (quarter)

GRADE 7
- Engineering and Technology
  (quarter)

GRADE 8
- Industrial Technology
  (semester)
- Engineering Technology
  (semester)

INDUSTRIAL TECHNOLOGY

HIGH SCHOOL

MACHINE TOOL TECHNOLOGY
- Material and Processing Technology
  (semester, 9-12)
- Advanced Materials and Processing Technology
  (full year, 10-12)
- Metal Technology
  (full year, 10-12)
- Machine Tool Technology
  (full year, 11-12)
  @ LSHS

WELDING/METAL FABRICATION
- Material and Processing Technology
  (semester, 9-12)
- Advanced Materials and Processing Technology
  (Full year, 10-12)
- Welding/Metal Fabrication
  (Full year, 11-12)
  @ Herndon

CABINET/FURNITURE MAKING & MILL WORK
- Material and Processing Technology
  (semester, 9-12)
- Advanced Materials and Processing Technology
  (Full year, 10-12)
- Woodworking Technology
  (Full year, 10-12)

CREATIVE TECHNOLOGY
- Creative Design and Technology
  (semester, 9-12)
- Advanced Materials and Graphic Design
  (full year, 11-12)
  @ Herndon

GENERAL TRADES
- Power and Energy Technology
  (semester, 9-12)
- Small Engine Repair
  (semester, 10-12)
  OR
- Basic Electricity / Electronics
  (semester, 10-12)
  OR
- Auto and Home Care
  (semester, 10-12)
- Automotive Technology
  (full year, 11-12)
  @ Herndon
  OR
- Construction Technology
  (full year, 11-12)
  @ Herndon

INTERNERSHIP

STUDENTS FROM CAREER AND TECHNOLOGY PATHWAYS ARE ENCOURAGED TO PARTICIPATE IN AN INTERNSHIP SENIOR YEAR

Cooperative Career Experience
Course & Internship
(full year, 12)