LEE'S SUMMIT SCHOOL DISTRICT – ENG & IND TECH DEPARTMENT

ENGINEERING & INDUSTRIAL TECHNOLOGY

MIDDLE SCHOOL

GRADE 6

Exploring Engineering and Industrial Technology
(6–week)

GRADE 7

Engineering and Industrial Technology
(quarter)

GRADE 8

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)

Students need to choose 2 of the three courses to make a full-year selection. @ Summit Technology Academy

Aerospace Engineering
(1.5 Credits, 11-12)
OR
Robotic Automation & Systems Engineering
(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	GRADE 7	GRADE 8	
Exploring Engineering and Industrial Technology *(6-week)*	**Engineering and Industrial Technology** *(quarter)*	**Industrial Technology** *(semester)*	**Engineering Technology** *(semester)*

INDUSTRIAL TECHNOLOGY

HIGH SCHOOL

MACHINE TOOL TECHNOLOGY	WELDING/METAL FABRICATION	CABINENT/FURNITURE MAKING & MILL WORK	CREATIVE TECHNOLOGY	GENERAL TRADES
Material and Processing Technology *(semester, 9-12)*	**Material and Processing Technology** *(semester, 9-12)*	**Material and Processing Technology** *(semester, 9-12)*	**Creative Design and Technology** *(semester, 9-12)*	**Power and Energy Technology** *(semester, 9-12)*
Advanced Materials and Processing Technology *(full year, 10-12)*	**Advanced Materials and Processing Technology** *(Full year, 10-12)*	**Advanced Materials and Processing Technology** *(Full year, 10-12)*	**Advertising and Graphic Design** *(full year, 11-12)* @ Herndon	**Small Engine Repair** *(semester, 9-12)* OR **Basic Electricity / Electronics** *(semester, 9-12)* OR **Auto and Home Repair** *(semester, 9-12)*
Metal Technology *(full year, 11-12)*	**Welding/Metal Fabrication** *(Full year, 11-12)* @ Herndon	**Woodworking Technology** *(Full year, 10-12)*		
Machine Tool Technology *(full year, 12)* @ LSHS &LSW		**Furniture Making** *(Full year, 11-12)*		**Automotive Technology** *(full year, 11-12)* @ Herndon OR **Construction Technology** *(full year, 11-12)* @ Herndon

INTERNSHIP

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