

**LEE'S SUMMIT SCHOOL DISTRICT – ENG & IND TECH DEPARTMENT
ENGINEERING & INDUSTRIAL TECHNOLOGY**

MIDDLE SCHOOL

GRADE 6	GRADE 7	GRADE 8	
Exploring Engineering and Industrial Technology <i>(6-week)</i>	Engineering and Industrial Technology <i>(quarter)</i>	Industrial Technology <i>(semester)</i>	Engineering Technology <i>(semester)</i>

ENGINEERING & DRAFTING DESIGN TECHNOLOGY

HIGH SCHOOL

DRAFTING DESIGN TECHNOLOGY	ELECTRICITY TECHNOLOGY	ENGINEERING
Introduction to Engineering and Design <i>(full year, 9-12)</i>	Power and Energy Technology <i>(semester, 9-12)</i>	Introduction to Engineering and Design <i>(full year, 9-12)</i>
Civil Engineering and Architecture <i>(full year, 10-12)</i>	Basic Electricity / Electronics <i>(semester, 10-12)</i>	Principles of Engineering <i>(full year, 10-12)</i>
Advanced Concepts in CAD <i>(full year, 11-12)</i>	Digital Electronics <i>(1.5 Credits, 11-12)</i> <i>@ Summit Technology Academy</i>	Civil Engineering and Architecture <i>(full year, 10-12)</i>
		<p><i>Students need to choose 2 of the three courses to make a full-year selection. @ Summit Technology Academy</i></p> <p style="text-align: center;">Aerospace Engineering <i>(1.5 Credits, 11-12)</i> OR</p> <p style="text-align: center;">Computer Integrated Manufacturing <i>(1.5 Credits, 11-12)</i> OR</p> <p style="text-align: center;">Digital Electronics <i>(1.5 Credits, 11-12)</i></p>

INTERNSHIPS

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

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

Engineering Design and Development/EFE
(full year, 12)
 @ Summit Technology Academy

Aerospace Academy
(full year, 11-12)
 @ Summit Technology Academy

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INDUSTRIAL TECHNOLOGY

HIGH SCHOOL

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

INTERNSHIP

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

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

Automotive Technology
(full year, 11-12)
 @ Herndon

 OR

Construction Technology
(full year, 11-12)
 @ Herndon