

**LEE'S SUMMIT SCHOOL DISTRICT – BMIT 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

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

**INDUSTRIAL TECHNOLOGY**

**HIGH SCHOOL**

MACHINE TOOL TECHNOLOGY	WELDING/METAL FABRICATION	CABINET/FURNITURE MAKING & MILL WORK	CREATIVE TECHNOLOGY	GENERAL TRADES
Material and Processing Technology <i>(semester, 9-12)</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>
Advanced Materials and Processing Technology <i>(full year, 10-12)</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
Metal Technology <i>(full year, 10-12)</i>	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
Machine Tool Technology <i>(full year, 11-12)</i> @ LSHS		Furniture Making <i>(Full year, 11-12)</i>		Auto and Home Care <i>(semester, 10-12)</i>
				Automotive Technology <i>(full year, 11-12)</i> @ Herndon  OR
				Construction Technology <i>(full year, 11-12)</i> @ Herndon

**INTERNSHIP**

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

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