

Technology / Engineering Drawing and Design

Time Frame	SOL Objective/ Competency	Essential Understandings/Questions	Essential Knowledge/Skills (Daily Snap Shot Quizzes to Check Progress)
1 st Quarter (First 4½ Weeks)	001-007	Demonstrating Workplace Readiness Skills: Personal Qualities and People Skills	Students will pre assess, read, study, explain, and post assess chapters 13 through 18 from the Succeeding In The World or Work Text Book. C2 (Procedural Knowledge: Understand)
	034-036	Introducing the Design Process	Students will pre assess, read, study, explain, and post assess chapter 2 from the Succeeding In The World or Work Text Book, chapter 4 from the Introduction to Technology Text Book, and chapters 2 and 3 from the Technology, Engineering, and Design Text Book. C2 (Procedural Knowledge: Understand)
	037-041	Exploring Engineering Drawing Foundations	Students will pre assess, read, study, explain, and post assess chapter 1 through 9 from the Basic Technical Drafting Text Book. C6 (Procedural Knowledge: Create) Technology Labs: Students will create: <ul style="list-style-type: none"> • Sketching • Single-view Drawing • Multi-view Drawing

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2 nd Quarter (Second 4½ Weeks)	008-017	Demonstrating Workplace Readiness Skills: Professional Knowledge and Skills	Students will pre assess, read, study, explain, and post assess chapter 8 through 12 from the Succeeding In The World or Work Text Book. C2 (Procedural Knowledge: Understand)
	037-041	Exploring Engineering Drawing Foundations (Continued)	Students will pre assess, read, study, explain, and post assess chapter 10 through 13 from the Basic Technical Drafting Text Book. C6 (Procedural Knowledge: Create) Technology Labs: Students will create: <ul style="list-style-type: none"> • Dimension Drawings • Manufacturing Drawings • Section Drawings • Auxiliary Drawings

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3 rd Quarter (Third 4½ Weeks)	018-021	Demonstrating Workplace Readiness Skills: Technology Knowledge and Skills	Students will be using various software to create job specific documents. C6 (Procedural Knowledge: Create) <ul style="list-style-type: none"> • Word Document • Spread Sheet • Power Point • Database • Flyer • Drawing

	042-053	Producing Illustrations	<ul style="list-style-type: none"> ● Flash Document ● Webpage ● Edited Photo <p>Students will pre assess, read, study, explain, and post assess chapter 14 through 18 from the Basic Technical Drafting Text Book. C6 (<i>Procedural Knowledge: Create</i>)</p> <p>Technology Labs: Students will create:</p> <ul style="list-style-type: none"> ● Working Drawings ● Cam Drawings ● Gear Drawings ● 3D Models ● 3D Prints
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4 th Quarter (Last 4½ Weeks)	022-029	Examining All Aspects of an Industry	Students will pre assess, read, study, explain, and post assess chapter 11 through 15 from the Technology Engineering and Design Text Book. C2 (<i>Procedural Knowledge: Understand</i>)
	030-033	Addressing Elements of Student Life	<p>Students will pre assess, read, study, explain, and post assess chapter 1 through 3 from the Technology Engineering and Design Text Book. C2 (<i>Procedural Knowledge: Understand</i>)</p> <p>Students will create a portfolio of all work in the form of an interactive webpage. C6 (<i>Procedural Knowledge: Create</i>)</p> <p>Student will also run and maintain a FTC-TSA Club C6 (<i>Procedural Knowledge: Create</i>)</p>