

**Technology / Architecture Drawing and Design**

Time Frame	SOL Objective/ Competency	Essential Understandings/Questions	Essential Knowledge/Skills (Daily Snap Shot Quizzes to Check Progress)
1 <sup>st</sup> 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. <b>C2</b> ( <i>Procedural Knowledge: Understand</i> )
	043-048	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. <b>C2</b> ( <i>Procedural Knowledge: Understand</i> )
	034-042	Exploring Architectural Design Foundations	Students will pre assess, read, study, explain, and post assess chapter 1 through 9 from the Architecture Drafting and Design Text Book. <b>C6</b> ( <i>Procedural Knowledge: Create</i> )  Students will create the following sketches, drawings, prints, layouts, and hard copies for: <b>C6</b> ( <i>Procedural Knowledge: Create</i> ) <ul style="list-style-type: none"> <li>• Architectural Sketches</li> <li>• Architectural Styles</li> <li>• Computer-aided Drawing</li> <li>• Manual Drawing</li> <li>• Room Planning – Sleeping and Bathing Area</li> <li>• Room Planning – Service Area</li> <li>• Room Planning – Living Area</li> </ul>

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2 <sup>nd</sup> 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. <b>C2</b> ( <i>Procedural Knowledge: Understand</i> )
	034-042	Exploring Architectural Design Foundations (Continued)	Students will pre assess, read, study, explain, and post assess chapter 10 through 18 from the Architecture Drafting and Design Text Book. <b>C6</b> ( <i>Procedural Knowledge: Create</i> )  <b>Technology Labs:</b> <ul style="list-style-type: none"> <li>• Floor Plans</li> <li>• Foundation Plans</li> <li>• Wall Sections</li> <li>• Details</li> <li>• Elevations</li> <li>• Plot Plans</li> </ul>

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3 <sup>rd</sup> 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. <b>C6</b> ( <i>Procedural Knowledge: Create</i> ) <ul style="list-style-type: none"> <li>• Word Document</li> <li>• Spread Sheet</li> <li>• Power Point</li> <li>• Database</li> <li>• Flyer</li> <li>• Drawing</li> <li>• Flash Document</li> </ul>

	049-061	Producing Illustrations	<ul style="list-style-type: none"> <li>• Webpage</li> <li>• Edited Photo</li> </ul> <p>Students will pre assess, read, study, explain, and post assess chapter 19 through 21 from the Architecture Drafting and Design Text Book. <b>C6</b> (<i>Procedural Knowledge: Create</i>)</p> <p><b>Technology Labs:</b></p> <ul style="list-style-type: none"> <li>• Floor Plans</li> <li>• Elevations</li> <li>• Details</li> <li>• Electrical Plans</li> <li>• Plumbing Plans</li> <li>• HVAC Plans</li> </ul>
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4 <sup>th</sup> 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. <b>C2</b> ( <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. <b>C2</b> (<i>Procedural Knowledge: Understand</i>)</p> <p>Students will create a portfolio of all work in the form of an interactive webpage. <b>C6</b> (<i>Procedural Knowledge: Create</i>)</p> <p>Student will also run and maintain a FTC-TSA Club <b>C6</b> (<i>Procedural Knowledge: Create</i>)</p>