



**Engineering Design and Presentation 1
(Freshman)
Year at a Glance (YAG)
2023-2024**



First Semester		Second Semester	
1 st Nine Weeks		3 rd Nine Weeks	
<p>TEKS</p> <p>1A, 1B, 1F, 1H, 2A-2C, 3A, 3B, 4A, 4D-4G, 5A-5I, 6A-6D, 7A, 8A, 8D, 8E, 9A</p>	<p>Intro to DDT&E Intro to Multiple Views</p> <p>M-views from Isometric Views</p> <p>M-views from iso's from measurements/evaluations</p> <p>M-views from iso's from measurements</p> <p>M-views with dimensions</p>	<p>TEKS</p> <p>1B, 2A-2C, 3A, 3B, 4D, 4F, 4G, 5A-5I, 6A-6D, 7A-7D, 8A, 8B, 8D</p>	<p>3D assembly modeling and management</p> <p>Create and organize assembly components</p> <p>Create motion with assembly joints</p> <p>Apply assembly interface inspection tools</p>
2 nd Nine Weeks		4 th Nine Weeks	
<p>TEKS</p> <p>3A, 3B, 4A, 4D, 4F, 5A-5I, 6A-6D, 7A, 7B, 8A, 8D</p>	<p>Introduction to fusion 360 and project setup</p> <p>Create fully constrained sketches</p> <p>Create construction planes and axes</p> <p>Create and modify 3D solid features</p> <p>Create technical drawings from 3D modeled components</p> <p>3D model and drawing semester evaluation.</p>	<p>TEKS</p> <p>1A-1F, 1H, 1J, 2A-2D, 3A-3D, 4A, 4B, 4D-4F, 5A-5J, 6A-6D, 7A-7D, 8A-8E, 9A-9C,</p>	<p>CAD 3D modeling/layout/dimensions</p> <p>CAD Working Drawings/Evaluation</p> <p>Design Project-research Design Project-design/CDR</p> <p>Design Project-manufacturing</p> <p>Design Project-Evaluation</p> <p>Industry certification exam</p>

Resources

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
Technical Drawing 101	Technical Drawing 101	Technical Drawing 101	Technical Drawing 101