

**REDBANK VALLEY SCHOOL DISTRICT  
INDUSTRIAL TECHNOLOGIES CURRICULUM MAP**

**CAD I**

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Measuring; Drawing Tools; Lettering; Orthographic Visualization; Line types	Dimensioning; Drawing Rounds & Fillets; Drawing Holes; Sketching	Section Drawings; Hatch Lines; Cutting Plane Lines	Auxiliary Drawings; Isometric Drawings	Technical Drawing Final CAD: Absolute Coordinates; Relative Coordinates; Angular Coordinates; Basic Tools: Line, Erase, Circle O SNAP, etc.	Advanced CAD Tools: Fillet, Chamfer, Mirror, Array, Dimensions Tools	Wire Frame Drawings View Tools	3-D Solid Modeling in Auto CAD; Union Tool, Subtract Tool, Extrude Tool, Solids Tool	Orthographic Multi- View Drawings Using Auto-CAD; Layers, Line Types, Line Weights