

High Tunstall College of Science Curriculum Intent

Subject: D&T Year: 9 Drawing Skills rotation



Topic: Drawing Skills

	Design & Technology	Progress		
Topic	Key ideas	R	A	G
Drawing Skills	I can draw various one-point perspective shapes			
	I can draw a two-point perspective cube			
	I can draw more complex shapes and/or scenes in two-point perspective			
	I can draw a cuboid using isometric paper			
	I can draw more complex isometric shapes using isometric paper			
	I can draw isometric objects using drawing tools (no isometric paper)			
	I can render my drawings appropriately			
	I can follow a tutorial on how to use OnShape CAD			
	I can create my own design(s) on OnShape			

Lesson	Learning Focus	Assessment	Key Words
1 & 2	Identifying the key components of a one-point perspective drawing	Formative questioning Classwork End of rotation assessment	Horizon Line, Vanishing Point, Parallel, Accuracy, Render
3 & 4	Identifying the key components of a two-point perspective drawing	Formative questioning Classwork End of rotation assessment	Horizon Line, Vanishing Point, Parallel, Accuracy, Render
5 & 6	Identifying how to draw in an isometric way using Isometric paper	Formative questioning Classwork End of rotation assessment	Isometric, Axonometric, Angle, 30 Degrees, Three-dimensional
7—10	Extending isometric drawings Using drawing tools to draw isometric objects	Formative questioning Classwork End of rotation assessment	Isometric, Axonometric, Angle, 30 Degrees, Three-dimensional
11—12	CAD using Onshape Complete tutorial on how to use OnShape tools to create a basic object	Formative questioning Classwork	Isometric, Axonometric, Angle, 30 Degrees, Three-dimensional
13—14	Extending OnShape Based on learning from tutorial, create a “real world” object using OnShape	Formative questioning Classwork	Isometric, Axonometric, Angle, 30 Degrees, Three-dimensional
15	Assessment	End of rotation assessment	All of the above
16	Deep marking and feedback	End of rotation assessment	All of the above