



Number of weeks (between 6&8)	Content of the unit	Assumed prior learning (tested at the beginning of the unit)
4 weeks No. of lessons: 5 - 6	Drawing Techniques The aim is to develop students understanding of different techniques from the previous year. Apart from the basic rendering and enhancement techniques, students will be taught the fundamental principles of constructing shapes and objects in different projects such as Isometric, Orthographic and Perspectives.	Applying enhancement techniques Drawing shapes and objects Shading and rendering
Assessment points and tasks	Written feedback points	Learning Outcomes (tested at the end and related to subject competences)
Assessment will be based on the application of the techniques, rendering and enhancement techniques. There will be opportunity for peer assessment using the T.E.A time chart (focusing on Technique, use of Equipment and Accuracy)	Feedback will be given after the initial stage is completed. <ul style="list-style-type: none"> Students provide feedback through peer assessment Students assess their own work highlighting areas for improvement. Teacher provides feedback Final changes and improvements are made before a level/grade is given. 	Aims of the project: <ul style="list-style-type: none"> To enable students to develop their drawing skills - Designing Band 4 to 7 Gain an understanding of 3D projections - Designing Band 7 Select and use a range of tools, equipment and processes safely and accurately - Making Band 5, 6

Lesson	Clear learning intentions	Clear success criteria	Hook	Presentation of content	Guided practice	Independent practice (homework)	Closure
1-2	ISOMETRIC & RENDERING TECHNIQUES Develop isometric drawing techniques. Understand the technical drawing of isometric objects. Develop enhancement techniques	All: will produce a 3D shape with 3 sides Most: will use the isometric technique to construct their drawing Some: will use the set-square constructively and produce an accurate drawing	Draw one of the objects below using the isometric grid paper Apply shading/rendering to enhance the drawing	What is Isometric drawing? Recap from previous year. Examples of objects followed by a demonstration. 3 level of task available for drawing an isometric object using set-square	Step by step demonstration for students to follow as practice Simple practice for students to follow for the main task. Teacher provides support. Teacher demonstrates to class; thick and thin line technique using the spider method to explain.	Apply a wooden texture rendering to the shape	Pyramid - Three keywords that are important, Two words that have made an impression, One thing you would do to follow up. T.E.A time peer assessment
3-4	ORTHOGRAPHIC PROJECTION Students will develop their knowledge and understanding for orthographic projections. Learn how to project a 3D object into 3 rd angle orthographic	All: will draw an orthographic projection of a 3D shape Most: will use the projection lines accurately Some: will draw the 3D isometric shape in the top right hand corner	Draw the front view (blue shade) of the shape on the mini white board Now draw the red and the yellow separately	Explanation of Orthographic projection with examples (first angle and third angle) Quick class exercise using the mini white board Task to draw the 3 views for the isometric shape	Mini white board exercises and 3D models to aid the definition of looking at a shape flat on. Students demonstrate with the boards and teacher provides support through questioning	Complete the orthographic drawing for the exam question	Quick exercise using the white boards to recap orthographic drawing. Select students to demonstrate. Peer assessment
5-6	2-POINTS PERSPECTIVE To develop understanding for perspective drawings. Use vertical and orthogonal lines to produce 2-points perspective drawing	All: will draw a 2-point perspective street scene using vertical and orthogonal lines Most: will use the vanishing point accurately Some: will draw with short orthogonal lines to avoid rubbing out	2-points perspective cube worksheet (step by step) using the mini white board	Review of the starter worksheet shape. Understand how objects are viewed in 2-points perspectives. Examples of buildings and drawings and explanation of the orthogonal lines	Step by step instruction on drawing the first building using the instructions from the start of the lesson. Students continue to construct their city with more buildings and roads	2-points perspective worksheet	Pyramid - Three keywords that are important, Two words that have made an impression, One thing you would do to follow up. T.E.A time peer assessment