

Autumn Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	HALF TERM
Topic	Welcome back. Outline of the year. Design task.	Pewter Casting	Pewter Casting	Pewter Casting	Pewter Casting	Pewter Casting	Pewter Casting	Pewter Casting	
Challenge Objective and Content (for all learners)	<p>Welcome back. Recap on H&S expectations Information about the year ahead Design activity.</p> <p>Challenge: What aspects of nature can you use to inspire your designs?</p>	<p>Exploring the brief. Introducing the brief and the client (Tatty Devine) Completing fact file on Jewellery designers Tatty Devine (client), Rennie Macintosh, Raymond Templier.</p> <p>Challenge: What characteristics does each designer have which makes their work distinctive?</p>	<p>Demonstration of the pewter casting process. COSHH and Safety. Pupils complete knowledge organiser. Properties & characteristics of pewter.</p> <p>Challenge: What are the most important steps to record during the demonstration?</p>	<p>Mind mapping ideas for the project.</p> <p>Challenge: what ideas and question do you have that are linked to the brief?</p>	<p>Designing pendant. Teacher demonstration on the basics of 2D Design Tools as CAD/CAM option for pendant.</p> <p>Challenge: How will you come up with a range of design ideas and communicate them successfully?</p>	<p>Designing – focus on annotation</p> <p>Challenge: What sentences can you add that explain your ideas in more detail and identify problems/solutions</p>	<p>Manufacturing mould. Sawing the MDF moulds using coping saw. Pupils start their own moulds based on their designs.</p> <p>Challenge: How will use the saw skilfully to ensure that your mould is accurate.</p>	<p>Manufacturing mould.</p> <p>Challenge: How will use the saw skilfully to ensure that your mould is accurate.</p>	
Inspire Opportunities	How do the needs of the user influence your designing?	Can you compare and contrast the work of each designer?	Can you identify quality control and quality assurance measures or simple techniques which will make your pendant more successful?	Can you identify the needs of the customer and client and identify how these might be different?	Are your ideas challenging/ unique and do they meet the brief?	Can you use annotation to link back to the needs of the client and the customer?	What strategies can you use to plan for accuracy?	What QC checks could you make to check the standard of your mould?	
Assessment Opportunities	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Specific opportunity for verbal and formative feedback to discuss suitability of the designs.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	

Summer Term

	Week 1	Week 2	Week 3	Week 4	Week 5	HALF TERM
Topic	Character Cushion	Character Cushion	Character Cushion	Character Cushion	Character Cushion	
Challenge Objective and Content (for all learners)	Manufacture. Assembling the Cushion. Pupils hand sewing or machine sewing main body of character. Challenge: can you choose an appropriate hand/ machine stitch to sew the body of your character cushion and complete it with accuracy?	Manufacture. Assembling the Cushion Pupils hand sewing or machine sewing main body of character. Challenge: can you choose an appropriate hand/ machine stitch to sew the body of your character cushion and complete it with accuracy?	Manufacture. Assembling the Cushion. Pupils hand sewing or machine sewing main body of character. Challenge: can you choose an appropriate hand/ machine stitch to sew the body of your character cushion and complete it with accuracy?	Manufacture. Assembling the Cushion. Pupils hand sewing or machine sewing main body of character. Challenge: can you choose an appropriate hand/ machine stitch to sew the body of your character cushion and complete it with accuracy?	Manufacture. Assembling the cushion. Pupils filling the cushion with stuffing and closing the gap using invisible stitch. Challenge: can you use invisible stitch successfully to close your cushion so the stitches cannot be seen?	
Inspire Opportunities	What strategies can you use to plan for accuracy?	What strategies can you use to plan for accuracy?	What strategies can you use to plan for accuracy?	What strategies can you use to plan for accuracy?	What quality assurance checks can you make to ensure that your cushion is finished to a high standard?	
Assessment Opportunities	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	SUMMER
Topic	Character Cushion	Character Cushion	Orthographic Projection	Orthographic Projection	Orthographic Projection	Orthographic Projection	
Challenge Objective and Content (for all learners)	Manufacture. Assembling and filling the cushion. Closing the gap using invisible stitch. Challenge: can you use invisible stitch successfully to close your cushion so the stitches cannot be seen?	Document and evaluate Cushion identifying what has been successful / unsuccessful and analysing whether they have met the design brief. Challenge: Can you evaluate whether your cushion meets the specification?	Introduction. Simple orthographic projection drawing using lego blocks. Challenge: Can you look at a simple object and convert it into an orthographic projection?	Orthographic drawing of an object drawn originally in Isometric Projection. Challenge: Can you look at an isometric drawing and convert it into an orthographic projection?	Orthographic drawing of an object drawn originally in Isometric Projection. Challenge: Can you look at an isometric drawing and convert it into an orthographic projection?	Orthographic drawing of an everyday object. Challenge: Can you take an everyday object and draw it independently and correctly using Orthographic Projection?	
Inspire Opportunities	What safety checks could you make now that your cushion is complete?	Linking back to the brief, is your cushion would be suitable for Jon Burgerman's store?	How will you draw a more complicated combination of lego bricks?	How would you teach someone how to complete their Orthographic Projection drawing?	How are orthographic drawings useful in the manufacturing industry and why there are "rules" about how they must be done?	What are the correct dimensioning rules and can you add these to your drawing?	
Assessment Opportunities	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities. End of project exam style question.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	Header Sheet will be used by teacher and pupil for both formative and summative assessment throughout activities.	