

Lesson	Content	Completed?	
		Y/N	EFFORT
1	<ul style="list-style-type: none"> <li>Project introduction: Brief &amp; Analysis</li> <li>Verbal product analysis of previous examples</li> <li>Intro to Design Movement: research task</li> </ul> <p><b>Homework 1:</b> <i>Research chosen Design Movement—mood board and annotation</i></p> <p><b>Challenge:</b> <i>Include a conclusion to your research: what have you discovered? How can you now use this research to help you?</i></p> <p><b>Further Challenge:</b> <i>Add more detailed research: e.g. specific designers from the Design Movement. What were/are their influences?</i></p>		
2	<ul style="list-style-type: none"> <li>Success criteria: specification—literacy task</li> <li>Design ideas</li> </ul>		
3	<ul style="list-style-type: none"> <li>Design Development</li> <li>Modelling &amp; prototyping in cardboard</li> </ul> <p><b>Homework 2:</b> <i>complete cardboard model</i></p> <p><b>Challenge:</b> <i>add colour to the design with markers or paint</i></p> <p><b>Further Challenge:</b> <i>consider layering elements</i></p>		
4	<ul style="list-style-type: none"> <li>Prototyping Evaluations and peer feedback</li> <li>Final design proposal</li> </ul>		
5	<p>Practical</p> <ul style="list-style-type: none"> <li>Marking out &amp; cutting</li> </ul> <p><b>Homework:3:</b> <i>Revision for assessment: (flowcharts)</i></p> <p><b>Challenge:</b> <i>don't use the template but create own flowchart</i></p> <p><b>Further Challenge:</b> <i>create revision resources</i></p>		
6	End of cycle assessment: production planning		



Why are we learning how to make a clock?

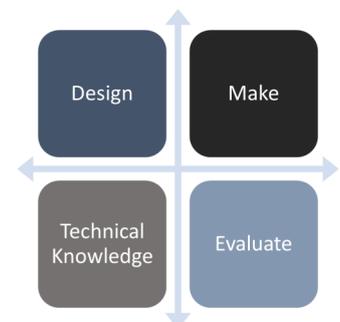
You are learning how to make a clock so that you:

- ◆ Develop your CAD CAM knowledge and skills.
- ◆ Develop and enhance your workshop skills and learn to use the equipment more independently.
- ◆ Can fully explain what a Design Movement is and be able to make links between how products develop over time and what influences this.
- ◆ Can have a better understanding of how we use mechanisms in functioning products.

## Challenge!

What areas of the four key concepts for Design & Technology have you worked in during this cycle?

**Circle your response**



What area do you think is your strongest?

.....

Why? .....

.....



**Cycle 1&2 Clock Project**

<b>My Expected Grade</b>				
<b>Teacher Assessed Grade (circle)</b>				
SBE	BE	E	AE	SAE
<b>Comment:</b>				

Grade	
8 - 9	<p>I can...</p> <p>Develop my ideas using 3D drawing techniques which show relevant details of materials; measurements and processes.</p> <p>Demonstrate the ability to effectively plan and manufacture a high quality product</p> <p>Write a detailed specification using keywords appropriately with justifications for my points.</p> <p>Reflect on my research; analyse the information and make judgements which will inform my design decisions.</p> <p>Model my ideas effectively to scale and evaluate third party feedback to modify; improve and reproduce new prototypes based on this feedback</p> <p>I can work safely in the workshop with a good degree of accuracy and skill.</p> <p>Work in CAD CAM with a degree of skill and accuracy; enhancing and improving e=aesthetic qualities of my product.</p>
6 –7	<p>I can...</p> <p>Fully develop a range of ideas with clear annotation, linking my development to ongoing research.</p> <p>Write a specification using a range of keywords effectively.</p> <p>Carry out detailed and relevant research which I can use to my advantage when designing.</p> <p>Model my ideas effectively to scale and evaluate third party feedback to modify and improve my design development.</p> <p>Effectively use CAD CAM to enhance the aesthetics of my product</p> <p>I can work safely and skilfully in the workshop using a range of tools and equipment.</p>
4 –5	<p>I can...</p> <p>Explain what a design process is and develop my ideas within this</p> <p>Plan and manufacture a good quality product</p> <p>Make a list of important requirements which will make my product successful.</p> <p>Research a range of topics and present my findings clearly.</p> <p>Model my ideas using appropriate materials and evaluate their success</p> <p>Work safely in the workshop using a range of tools &amp; equipment</p> <p>Produce an element of design in CAD CAM.</p>

KEYWORDS	CAD CAM	Design Movement	
Mechanism	Art Deco	Art Nouveau	
Arts & Crafts	Bauhaus	Memphis Group	
De Stijl	Acrylic	Accuracy	

 **LEARNING TOOLS**

**Challenge!**

Can you add more keywords you have covered?

*Tick when you think you are able to define the meaning of the keyword*