



Design Technology Homework - Year 9 Memphis Clock

Retrieval

1. Health and Safety in the workshop



Complete the health and safety sheet regarding the machines used in the project. The links below will help.

[What to wear in a workshop](#)

Reading

2. Read up on the Memphis design movement and how it has impacted us in regards to design and products.

[Memphis](#)

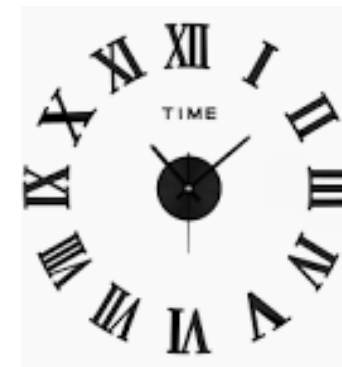
<https://hommes.studio/journal/what-is-memphis-design-style/>

https://docs.google.com/document/d/1JVh2IbNLPmT-vEOB4FXOPINyEgDI/RcKieW3wRSACq5Q/edit?usp=drive_link

Rewarding

3. How can your clock at home be used to tell the time in Roman numerals?

Have a try and redesign your clock at home using roman numerals.





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<p>1 Pillar drill 2 Pillar drill</p> <p>1 Disc sander 2 Disc Sander</p> <p>1 Fretsaw (hegner) 2 Fret saw 3 Fret saw</p>		
<p>4. Health and safety - Tools in the workshop.</p> <p>Complete the worksheet below and Explain what each tool is used for and the risks and hazards when using them in the workshop.</p> <p>https://docs.google.com/document/d/1_gnT_phCV9KaofH15r6ZQiCthxgw-DK_/edit?usp=drive_link&oid=110206580974845351044&rtpof=true&sd=true</p>	<p>5. Read up on the biggest designers & design movements of this century.</p> <p>Describe their key points and how they have influenced us in how we view design and products in our modern world.</p> <p>Memphis Pop Art Bauhaus Art Nouveau Art Deco Allessi Zaha Hadid Jonathan Ive Phillippe Starck</p> <p>https://docs.google.com/document/d/1H0h-92AxW-rqTzqok32jnW_5qldJrvQqGFdOhZCemRs/edit?usp=sharing</p>	<p>6. Try and place your Memphis clock design in different parts (With parental permission of course) of the house and see if your clock fits the Aesthetics/Atmosphere of the room and environment.</p>



Design Technology Homework - Year 9

CAD/CAM

Retrieval

1. Produce a mood board based on your mind map done in class. Please fill the sheet with possible images of inspiration that you can use to base your ideas around.

Reading

2. Please read the article on the origins of mazes.

<https://www.nbm.org/brief-history-mazes/>

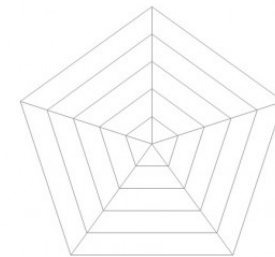
Write a small paragraph of where you have seen or experienced a maze in real life.

Rewarding

3. Please use the link and pick a maze to complete.

<https://www.mathsisfun.com/games/mazes.html>

Please analyse the game fill in the radar graph below:





Design Technology Homework - Year 9

Food

Retrieval	Reading	Rewarding
<p>1. List the 4 Cs and explain what they are and why they are important to follow in a kitchen.</p> <p>Create a hygiene and safety information sheet for staff in your kitchen.</p>	<p>2. https://www.bbc.co.uk/iplayer/episode/m0014t71/amazing-hotels-life-beyond-the-lobby-series-4-6-the-lanesborough-london</p> <p>Watch this link on amazing hotels, and complete the question sheet on Google Classroom.</p>	<p>3. Cook a main meal at home for your family and ask for feedback.</p>



Design Technology Homework - Year 9

Textiles

Retrieval	Reading	Rewarding
<p>1. Create a mood board either on a computer or by glueing images to a sheet of A4 paper. This will be used as inspiration when producing designs for your textile lantern. The product should be suitable as a souvenir of a theme park such as Alton Towers. Your teacher will explain this fully in class.</p>	<p>2. Plan the manufacture of your textile lantern, include descriptions of all the equipment and processes you are going to use</p>	<p>3. Visit the Bewilderwood website and read about how an alternative theme park works. You might also gather some design inspiration here!</p> <p>https://bewilderwood.co.uk/</p>



Design Technology Homework - Year 9 Engineering

Retrieval

1. Complete a [step by step production plan](#) that explains how you made the chassis and blades components. Name all the tools needed and include the health and safety considerations.

Production planning.
You need to write up each stage of manufacture for your product.
Do this one area by one area.
Make sure you explain all the tools used and the health and safety considerations that need to be taken.

The Chassis.

Tasks carried out	Tools, equipment and materials	Health and safety

The Blades.

Tasks carried out	Tools, equipment and materials	Health and safety

Reading

2. Choose one of the articles below for further reading:

[Control a robot arm with your brain](#)

[Weblink](#)

[Using virtual reality in construction](#)

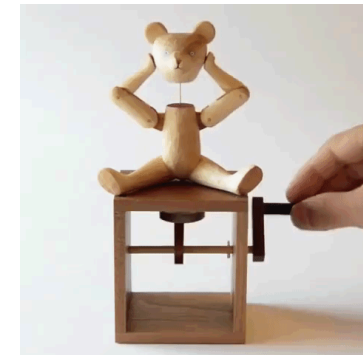
[Weblink](#)

[Turning ocean water into energy](#)

[Weblink](#)

Rewarding

3. Conduct some research into Automata.



You could collect your research in the form of images on a google slide or digital document. Annotate and describe these.



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This link will help you: [Tools & processes](#)

- Explain what automata are.
- Explain who the designers and makers of these objects are
- Describe a range of examples, what do they do? How do they move?...
- Point out interesting features
- You may find the following websites useful.

<https://cabaret.co.uk/>

<https://www.timhunkin.com/>

<https://www.keithnewsteadautomata.com/>

<http://www.kinetica-museum.org/artists/artist-profiles.html>