

Homework Sheet – KS4

Choose your homework tasks from the selection below. Research tasks should be at least 2 weeks long and presented effectively.



- Write a list of what you believe to be the top **10** key words from the unit that you are currently studying.
- Choose a product from your home that you believe is a good piece of design. Explain what it does and why you think that it is good. Include a picture of your product.
- Produce a step by step guide on how you are going to make your product. Make sure you include the name of the materials and equipment you will use. Include all quality control checks.
- Choose a material identify the different categories, give a few examples of each and name a product that is made from each example. Give a reason as to why it is made from that particular material.



- Write a poem, rap or song to help people remember a topic that you are finding difficult.
- Choose 3 products from your home that have the same function. E.g. Three different lamps. Then write the strengths and weaknesses of each lamp and use them to decide which is the best. Include photos.
- Create a mind map to show the different categories examples and products made from a material of your choice.
- Complete one of the following questions 6marks:
 1. Why would someone be opposed to hydroelectric power being introduced to their area?
 2. Why do people prefer to work with manufactured boards rather than natural timbers.



- Write a 6 mark exam question for others in the class to attempt. You will also need to write a model answer and a mark scheme for it.
- Find a good YouTube video which supports or explains something that you have been learning. Write a review of it and then be ready to show and explain it to the class.
- Write an article for a gadget magazine reviewing a product of your choice.
- What is CAD? What is CAM? Draw a table to write the advantages and disadvantages of each one? How could CAD then CAM help you make your current product higher quality?
- Make up your own task to complete!

Research Task



- Create a timeline showing the development of a piece of technology of your choice. E.g. The camera, the mobile phone, the computer etc.

Research Task



- Choose one of the following designers and create a profile on their work and life.
Alberto Alessi / Harry Beck / Mary Quant / Vivienne Westwood / Norman Foster / Coco Chanel

Research Task



- Make a project showing products that are designed for people with impairments such as arthritis or blindness. Compare it to the other products that would not work as affectively.

Side Orders

- Create an end of unit quiz that will test other pupils.
- Design, draw and explain a product for the future.
- Write a review of a product that you have recently bought.

- Work with a friend to create a video demonstrating how to use a machine.
- Design a starter activity for a lesson. Ask a teacher for next weeks key topic.
- Watch a video that looks at new designs or processes and write up your findings .