

The Mosslands School
A TECHNOLOGY COLLEGE



DESIGN TECHNOLOGY

KS3 INDEPENDENT STUDY

MENU

HOW IT WORKS

- *Choose your independent study task. The difficulty and response required increased with each category.*
- *Hand in your work to your class teacher making sure you include the task number.*

Create an A4 poster summarising today's topic. Use key words, processes and techniques you have learnt. Make it eye catching and informative.

1. Ford Focus ST



Create a mini dictionary of all the keywords you have come across in this project. Have the key word, definition and an example of that word used in a sentence.

2. Ford Fiesta ST



Write 3-5 tweets to summarise the lesson. No more than 140 characters per tweet. Use #'s for keywords and be informative.

3. SEAT Leon Cupra



Choose 5 key words that are often misspelt in D&T. Design a poster giving tips to other students on how to remember the correct spellings.

4. Suzuki Swift Sport



Produce an information page on Memphis and their design style. Include notable features with Memphis designs and products. Who were they and how did this group form?

5. Skoda Octavia VRS



Make a colourful Hexaflexagon (Fortune Teller), with questions and answers about the current topic.

6. Volkswagen Golf GTI



Design a poster showing 'An Excellent D&T Student'. What would they be wearing and how would they behave?

7. Peugeot 208 GTI



Create a wordsearch based on the current topic.

8. BMW 1 Series



Design a healthy meal to be served in the school canteen. Remember to add colour to your design, label all your ingredients and explain why it is healthy.

9. Volkswagen Golf R



Design and print an A4 poster listing all the equipment you need to use to make your product/dish. Include a suitable image for each one and explain what they are used for and how to use it.

10. Mini Cooper S



Hot Hatchbacks

Design an app that will teach pupils an aspect of the current topic. It could be a revision app, or an app to help them with a practical skill.

11. Toyota GT 86



Create a Wordle with key words for the current project.

12. Subaru BR2



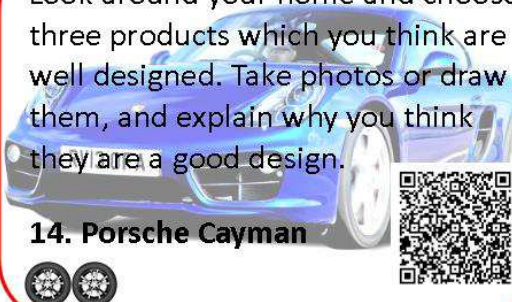
Draw three 3D shapes and render each one with a different material. Search 'rendering materials' videos on YouTube for tips.

13. Audi TT



Look around your home and choose three products which you think are well designed. Take photos or draw them, and explain why you think they are a good design.

14. Porsche Cayman



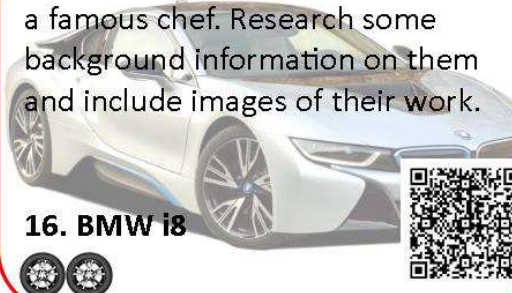
Create an informative leaflet in the environmental impact of using woods to manufacture products.

15. Porsche Boxter



Produce an information sheet about a famous chef. Research some background information on them and include images of their work.

16. BMW i8



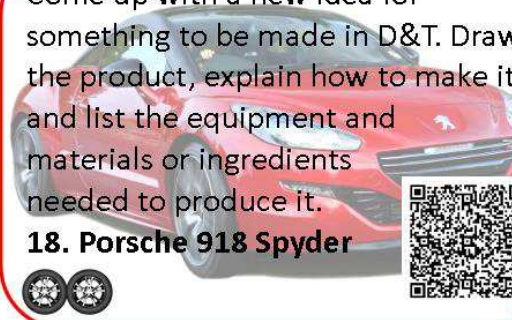
Write a magazine article debating on which is better: bespoke one-off products or mass produced products.

17. Porsche 911



Come up with a new idea for something to be made in D&T. Draw the product, explain how to make it, and list the equipment and materials or ingredients needed to produce it.

18. Porsche 918 Spyder



Explain the following terms
'Aesthetics'
'Ergonomics'
'Annotation'
'Function'

19. Jaguar F-Type



Design a logo for an imaginary company. Think about colour choice, company name and slogan. Can be hand drawn or completed with CAD.

20. BMW M4



SPORTS CARS

Create a model of the product you are making. It does not have to be full size and can be made using any material. It must look good and accurately represent the product you are making.

21. Mercedes S Class



Re design your current product without the restriction of the materials you were given in school. You can use anything you like, electronics, metals, plastics etc. How can you redesign your product to make it as good as it could possibly be?

22. Range Rover SUV



Make a set of Top Trumps cards for the tools and equipment or ingredients in the current project.

23. Audi A8



Create a five slide presentation on the Art Deco Movement. When was this design movement? What are the main design features? Can you find famous product and designer examples?

24. Jaguar XJ



Design suitable packaging for your product - were it to be sold in a shop. Show the packaging from all angles, include relevant information, and state what material it is made from.

25. Porsche Panamera



Produce a newspaper article on animal welfare in the food industry.

26. BMW 7 Series



Write a short biography on an Alessi designer, detailing their life history and the products they have designed for Alessi.

27. Bentley Continental Flying Spur



Design or make a product that is made from only recycled or re-used materials. Think about the properties of the materials you are thinking of using. Will it work and can it be made?

28. Maserati Quattroporte



Research a well known brand, find their logo and discuss how it has changed throughout time. Write about why and how it's changed. Include pictures and notes about the design.

29. Rolls-Royce Ghost



Create a comic strip on a manufacturing process you have learnt. Use images, keywords and short concise descriptions to clearly explain the process.

30. Lexus LS



Luxury Cars

Design an attention grabbing webpage that has all the information needed about the topic. Use any software you want, include factual information, link to other websites and videos that can help with the topic.

31. Nissan GT-R



You have an imaginary budget of £500 to re-design your bedroom. Choose a colour scheme, then find products online which don't go over budget. Show the final room design, screenshots of the products and where they came from, and your final costings. Explain your choices.

32. Bugati Veyron



Imagine you were going to teach part of the next lesson, come up with a starter activity for that lesson based on the current topic. This can be a task, game or role play to recap on previous knowledge or prepare for new information.

33. Lamborghini Huracan



Create an IKEA style set of assembly instructions to make your product. Research IKEA style instructions before you start. You are creating this set of instructions for someone who has never made anything like this before, so your instructions must be clear and well explained.

34. Mercedes-AMG GT



Write a magazine article about an item of technology you couldn't live without. Then write a second article, from a time before the first item existed. What do you think a teenager couldn't have lived without then?

35. Hennessey Venom GT



Visit a museum and write a review of your visit. Explain what you saw that relates to D&T, focussing on a specific product if you wish.

36. Koenigsegg One:1



Watch an episode of a D&T related TV programme (eg The Gadget Show, How It's Made, The Great British Bake Off) and summarise the content in a written review.

37. Aston Martin One



Write a letter to your local MP explaining why D&T is such an important subject to learn in school.

38. Porsche 918 Spyder



Disassemble a product/meal (it can be anything but get permission first!). Record your findings, referring to what you think it's made from, and how you think it was put together.

39. LaFerrari



Produce an information leaflet explaining the following dietary needs: Lactose intolerance, Coeliac Disease, Diabetes, Vegetarianism. Redesign one of the dishes you have cooked to accommodate one of these dietary needs.

40. McLaren F1



SUPERCARS