



HOW TO PREPARE FOR A LEVEL DESIGN & TECHNOLOGY

Minimum Subject Entry Requirements: Students must have a minimum grade 5 at GCSE in Design and Technology.

Often design is influenced by following key historical movements and figures. For the Edexcel exam board you need to have an understanding of the following design movements.

- a) Arts and Crafts – William Morris
- b) Art Nouveau – Charles Rennie Mackintosh
- c) Bauhaus Modernist – Marianne Brandt
- d) Art Deco – Eileen Gray
- e) Post Modernism – Philippe Starck
- f) Streamlining – Raymond Lowey
- g) Memphis – Ettore Sottsass.



Challenge 1.

Produce a PowerPoint presentation with a minimum of 2 slides for each movement. The slides should include images and facts about each movement as well as designs/products based upon each movement. (Font must be no larger than 10)

Challenge 2.

Choosing your favourite design movement from task 1. You need to design an amplifier casing based around your chosen designer/movement.

- a) Produce a page of initial design ideas (minimum of 4). Each idea must be completely different and drawn 3 dimensionally, render should be applied to make your designs look professional.
- b) Notes must be added to explain how each design is related to your chosen design movement and who the target user would be.
- c) You need to prepare a short (5 minute) presentation about your design ideas for the first lesson in September. You will be sharing your designs, justifications and how they relate to your chosen design movement.

At this presentation your peers will offer feedback which will enable you to develop your ideas before you then go on to produce a final design idea that you will make.



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Challenge 3.

Research task. What news stories have you seen about the current pandemic? What has been designed and made in a matter of days? Ventilators...etc. Produce at least two A4 pages of research on anything that you can find.



Challenge 4.

Becoming a Designer. What could you design? For your NEA you will need to find a problem and solve it... Spend some time thinking about problems that you think need to be solved. Write a list of ideas to help you. Ask people at home for their thoughts too. It could be based on the current pandemic or anything else you consider is a problem.

- Produce a page of suggestions for problems that you feel need solving. Choose the one you feel that you could solve.
- Produce a page of ideas that shows how your problem would be solved or you could make a model if you prefer.
- Prepare a 'Dragon's Den' style presentation, for the first lesson back, that explains the problem you have chosen and the way you will try to solve it, you will need to include your designs within this presentation. Who will get investment from the Dragons?

All of these tasks will be completed during the first week of the course. Get yourself ahead of the game and start these tasks now....

If you have any questions please contact the head of department via email at claire.eccleston@woodgreenacademy.co.uk