The idea with this bridging is work is that you will begin to explore some of the topics that we will study at A Level. Each task requires you to complete some research into a key topic and then complete an associated task. You should be aiming for approx. 45mins – 1hr of research per task before completing the work set. Remember to use your research to understand any topics you are unsure of. You may find some information at GCSE level too from text books etc. Your teachers have provided some useful links to help support your research into each topic.

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| Subject Name | A Level Product Design |
| Task Title | Task Description | Estimated Time  |
| Design Movements | Create a timeline that shows the different design movements from Arts and Crafts movement to the current day. You should include:* The major design movements (please refer to links below)
* Explain the ethos and values of the design movement. (what they stood for)
* Clear picture examples from each movement and explain the characteristics behind the design piece and how it meet the movement’s values. There are lots of details online for individual pieces so spend time doing this.
 | 2 hours |
| Practical skills  | Research and produce the method for how you can make a table top from start to finish. View the video link below and use other investigative work * <https://www.youtube.com/watch?v=Jk7EHOQOZIQ>
* Go to the wooden table document in the folder and answer the question following all the bullet points. Ensure you provide details for aspects of manufacture and include technical terms, tools and equipment.
* Pay attention to the maths content and present answers stage by stage
 | 1.5 hours |
| 3 Pin Plug case study/product analysis | Carry out a detailed product analysis of a 3 pin plug to include the following:* Take an old 3 pin plug apart and document with photographs what you see.
* Draw and explain the functions of each part and importantly show all of the safety features that have gone into the design of a plug
* Compare this to a modern day moulded plug and gives reasons for the different design features.
* Use the links below to assist and further investigations
 | 1 hour |
| Manufacturing processes | Create a series of stage by stage diagrams about the following processes:* Tannalising timber, Galvanising, Metal spinning and injection moulding.
* Use various videos from you tube to assist. (please refer to links below)
* Use diagrams and notes to break each process down into a series of detailed notes and diagrams. Do look at the *metals and milk bottle sketch page documents. These are two example of how students have done revision notes in the past.*
* Carry out further investigative work to find out the technical detail.
 | 2 hours |
| Put yourself to the test! | Put yourself to the test by:* Using your manufacturing notes carry out the colander question. Remember plan your answer first (TIP: metal spinning and injection moulding!) detailed knowledge, diagrams with clear justified explanations. KEYWORDS!!
 | 1.5 hours |
| Useful resources |  Design Movements: <https://designmuseum.org/design> & <https://www.academia.edu/37829434/Design_Movements_Timeline_Arts_and_Crafts_Movement_1850-1915>Practical skills: <https://www.youtube.com/watch?v=Jk7EHOQOZIQ>3 Pin Plug: <https://www.youtube.com/watch?v=5MvVcW_sIA0>Manufacturing processes: <https://www.youtube.com/watch?v=r2sowY_oYrM>, <https://www.stockfieldmetalspinners.com/what-is-metal-spinning> |
| How to submit | Please bring to your first Product Design lesson you have in Year 12 |