

Product Design



I'm delighted that you are choosing to study Product Design A-level next year at The Bishops' High School. Product Design at Bishops' is exciting and practical. During the course students will immerse themselves in an environment where their creativity is challenged, and their outcomes reflect their personal choices and attitudes.

To hit the ground running in September I suggest that you use the long summer break to have a think about some of the tasks below, as these will help you develop the necessary skills to aid you on the course.

Task 1 Develop you CAD designing skills

Use the link below to download a copy of PTC Creo.

<https://www.ptc.com/en/academic-program/academic-products/free-software/creo-download>.

Full install instruction of how to download and set up can be found on the departments YouTube Channel.

https://www.youtube.com/channel/UCvksZubLKWdqtOeXh_pW1oA?view_as=subscriber

To complete this task, you will need to download the software and successfully complete the series of tutorials that we have created. These will help you to gain a good understanding of how to use the software.

As an Extension you can look to design your own hand help product. For example, a new mobile phone.

Task 2

You will need to create a sketchbook using the video tutorials from Product Design Maker on YouTube. These videos will help you to improve you designing and sketching skills. These videos are produced by a professional designer and are a great example of how to professionally present your work.

https://www.youtube.com/channel/UC62Ngsd_ZBWkX-6yFV-10UQ

Task 3

Create a portfolio of drawings from real objects. Experiment with different drawing styles to presenting your work such as 3D rendered drawings, exploded views and orthographic drawings.

Task 4

Use materials available at home to create a scale model of an item of furniture or lighting. You will need to keep a record of how you have made the model explaining the tools, equipment and techniques used.

Useful videos

How It's Made

<https://www.youtube.com/channel/UCWBkudOTaVbvkcBc0pyZFMA/videos>

Card Modelling

<https://www.youtube.com/channel/UCxbY5VDdSrdvcMBvZBqvChA>

Better by Design Videos.

A series of Videos made by Channel 4 and SeymourPowell one of the UK biggest Design consultancies. They might be a bit dated, but they show how a product is developed in industry. For an actual client.

Shopping Trolley <https://www.youtube.com/watch?v=VhAtgJ3KRj8>

Razor <https://www.youtube.com/watch?v=xi13S2SBpcM>

Kitchen Bin <https://www.youtube.com/watch?v=quLSrB5rWeQ>

Other SeymourPowell Videos.

https://www.youtube.com/watch?v=_7NgkCTWM3s&list=PLrRLkWdr1Ha4VE6rs5dQPz6PX0vkZkvwG

Wider Reading

20 Best Free PDF and E-books on Graphic Design. Some do require you to register for a free trial.

https://inspirationfeed.com/free-graphic-design-books/#Brand_House_Book

Departmental resources for theory work are available on the School remote desktop. Once you have logged on access the student share folder (K drive)

K:\Design\A Level theory (Mr Q 2019-20)

Enjoy the summer and see you in September.

Mr Hooker

Head of Design and Technology