

Hello Y11

You're reading this because you intend to study Product Design at A Level and, thanks to the Coronavirus, you have lots of additional time that could be put to good use between now and September to maximise your potential in Design and Technology for the next stage in your education.

Firstly, you are all individual and have a variety of skills and abilities in a broad range of D&T skills. Consequently, the aim for the next 4 months is to improve your skills and understanding of a range of D&T topics to ensure you have sound foundations in key D&T skills and knowledge. These are outlined below.

- Joining a Seneca D&T group to revise all GCSE D&T content. Many topics covered at GCSE are the foundations for A Level, consequently, the more you revise, the more successful you'll be next year.
 - Login to Seneca and use this class code **ofrhurdcug** or copy and paste the link: <https://app.senecalearning.com/dashboard/join-class/ofrhurdcug>
- Sketching and more formal drawing in a range of techniques such as, 1 point perspective, 2 point perspective, isometric and orthographic drawing. You can't practise too much! Improving your communication is crucial for the next two years.
- Evaluating existing products as a medium to learn and understand a range of product design and manufacturing skills and techniques. Being talked at is boring but evaluating a product and learning about why its shaped that way, made that way, assembled that way and finished using a particular technique is far more interesting.
- Develop and understanding and be able to draw products in two different 3D CAD software packages called SketchUp and OnShape. Sketching is critical to start designing solutions to problems. However, as you refine your solution, CAD is critical to its success. Consequently, getting to grips with these programs while you have this time available is invaluable.
- Undertake design and make activities:
 - Design an uncomfortable and pointless product (See PowerPoint)
 - Design and manufacture a product by upcycling redundant products that would otherwise be recycled or sent to landfill
 - **or**
 - Design and manufacture a model of a phone holder (See PowerPoints)
 - **or**
 - Choose to design a product based on one of the three design Challenges (See PowerPoint)

Please see documents in this location [here](#)