

St Mary Redcliffe and Temple 6th Form

Year 11 into 12 transition task

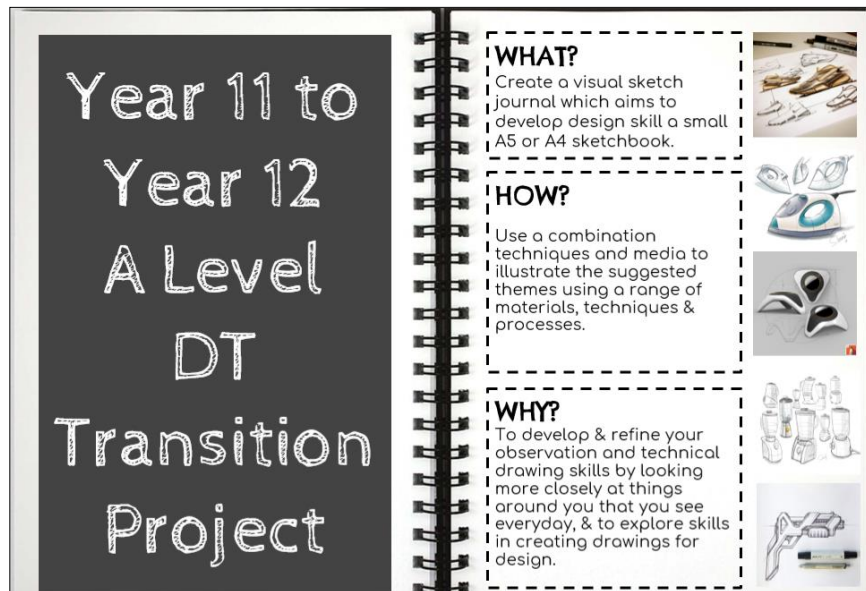


Subject: Product Design

SMRT 6th Form takes students from a wide range of schools, who have studied a variety of GCSE syllabuses. We want to ensure that everybody is equally able to access the content of the A-Level and so the following tasks give you a chance to ensure you are fully prepared.

To ensure you are ready to fully access the syllabus over the summer you should complete each week's tasks, beginning this week and into the summer holidays. The tasks run into next term so it's important to stay on top of them.

The tasks are focused around drawing, sketching and communication skills essential to Product Design. You will receive a sketchbook to work in.



Weeks 1-5

A range of essential drawing and sketching techniques – sometimes two tasks per week. All start by watching a YouTube media clip which demonstrates the particular skill.

Weeks 6-18

Directed tasks which use the skills learnt in weeks 1-5. These tasks will run into term 1 in September. This is intentional and these will form the basis of some independent tasks you will complete in your own time at home. All of these tasks will be reviewed with your teachers in September,

Use of social media

We have an Instagram account **dt_smrt** which we would like to use to showcase your work while maintaining your anonymity. When you complete a piece of work you're proud of, please could you post it in a story and tag us (@dt_smrt)? You can also request to follow the account.

SUGGESTED READING AND RESOURCE LIST

When you're completing the tasks above (especially the first two tasks), you may find some of the resources below useful – particularly the TED Talks, websites and other sources.

The books are useful and, if you're able, worth getting hold of a copy. Check them out on Amazon and read the reviews and summaries to find out which ones you are interested in:

Top reads

The Eco-Design Handbook	Alastair Faud –Luke
Design Museum: Contemporary Design	Catherine McDermott
Process: 50 Product Designs from Concept to Manufacture	Jennifer Hudson
Design for the Real World	Victor Papanek
Advanced Design and Technology	Norman, Cubitt, Urry, Whittaker

Useful literary sources

The Measure of Man and Woman: Human Factors in Design	Alvin R. Tilley
Small Things Considered: Why there is No Perfect Design	Henry Petroski

Magazines/websites

Make magazine	http://makezine.com
Icon – International Design , Architecture and Culture	https://www.iconeye.com/
BBC Focus	http://sciencefocus.com
Design Week	http://www.designweek.co.uk
Creative review	http://www.creativereview.co.uk
15 inspiring talks on design	https://uxmastery.com/15-inspiring-talks-on-inclusive-design/
The circular economy	https://www.ellenmacarthurfoundation.org/
Dezeen (a design magazine)	https://www.dezeen.com/tag/sustainable-design/

TED Talks

Sustainability by design	https://www.ted.com/playlists/28/sustainability_by_design
Design of useful things	https://www.ted.com/playlists/80/design_of_useful_things
Legends of the design world	https://www.ted.com/playlists/127/design_giants
Human-centered design	https://www.ted.com/talks/david_kelley_human_centered_design
Why design should be for everyone	https://www.ted.com/talks/sinead_burke_why_design_should_include_everyone

Other sources of information and study

Kevin Kennedy on YouTube (Fusion 360)	https://www.youtube.com/c/ProductDesignOnline/about
CHEP - Filament Friday (3D printing)	https://www.youtube.com/channel/UCsdc_0ZTXikARFEn2dRDJhg
Dr. VAX - 3D Printing	https://drvax.com/
Thingiverse (3D print library)	https://www.thingiverse.com/