



Summer Transition Work

Design Engineering

Hoe Valley Sixth Form

Dear student,

Over the summer we want you to complete the following tasks below to help you make a successful transition from GCSE to Sixth Form study. Our summer transition work includes the following 3 elements to help you feel like a pro when your sixth form journey begins!

Preparation

Below are some tasks that will help to introduce you to knowledge required for the start of the course or to consolidate key GCSE level material.

- Research the environmental, social and moral impact of Design – read four articles or watch four clips and summarise what you have found.
- Look at the sketch a day you tube channel. have a go some of the Industrial design drawing sessions <https://www.youtube.com/@sketchadaydotcom/videos>
- Visit a shop such as IKEA. Take photos, make sketches and work out how the products are made. Can you recognise great design?
- Go to the Design Museum in London and immerse yourself in Design – don't forget to take a camera

Reading

Below is some essential reading material or some titles that will help you to read around your subject and develop a deeper understanding of the subject, a crucial skill for success in the Sixth Form.

- Structures – or Why Things Don't Fall Down by J.E.Gordon
- The Design of Everyday Things by Don Norman
- Sustainable Materials – With Both Eyes Open by Julian Allwood and Jonathan Cullen
- The Gecko's Foot: How Scientists are Taking a Leaf from Nature's Book by Peter Forbes.
- Engineer to Win by Carroll Smith

Organisation

Below are tasks to help you to be organised with your work when you start in September. You will be completing a huge amount of work and to be successful you must keep on top of everything!

Make sure you bring these items of stationery to your lessons -

- 30cm Ruler
- Sharp Pencil
- Calculator
- Day folder or something similar to keep sheets that need to go home flat.
- A notebook or diary to record tasks to be completed out of lessons.

