

GETTING AHEAD



Start to develop skills that are relevant to your course before you join HSDC this September!

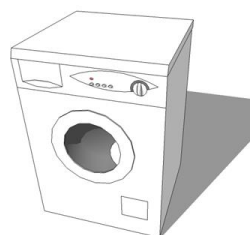
Design (3D) – A Level

Designers make extensive use of 3D CAD software to develop and communicate their ideas. One such piece of software is 'Sketchup'. This is a free web based application @ [Sketchup](#) but you may also want to consider the free downloadable version [Make 2017](#) (more user friendly). Sketchup is relatively easy to use but you may wish to view some online tutorials using the following link: [SketchUp](#)

Activity

Your task over the summer will be to choose a household object, or design one, that is based on simple geometric forms e.g. desktop PC, table lamp, candle holder or candelabra etc and then **accurately draw it full size in millimetres** using Sketchup:

- Define a 'mm' workspace (Make 2017) or set within Model info (Sketchup Web).
- To create accurate lines and shapes you need to click, drag and enter measurements in the bottom right hand corner of the screen e.g. for a square type '100,100' and press Enter. Note: You may need to maximise the screen display in Make 2017.
- Draw each part of the object separately e.g. buttons, screens etc and then group the lines (select lines and then right click Make Group) this will enable you to edit and move the parts when assembling.
- Complete objects by selecting viewpoints, applying tone or colour and adding shadows.
- Share it, seek help, ideas or more @ graham.knight@alton.hsdac.ac.uk



We look forward to seeing you in September!

For further information about your College and being a student at HSDC, please visit hsdc.ac.uk/Alton