

## **Sixth Form Y11-12 Transition Work** **Subject – DT – Product Design**

Due to be handed in – first lesson in September. This work should take you approximately 6+ hours to complete to a high standard.

### Learning Objectives:

1. Give you a taster of the KS5 D&T activities.
2. Understand the differences between KS4/5 and the department facilities at Leasowes Sixth Form.
3. Get you thinking like an A Level designer.
4. Use Autodesk Inventor Professional 2020 software to create design solutions and Engineering drawings.

### Success Criteria:

1. To fully understand the A level Design & Technology qualification and how it will be delivered at Leasowes Sixth Form.
2. Develop your designing skills and creative thinking.
3. Download the CAD software if possible: Autodesk Inventor Professional 2020
4. Introduce / develop your CAD skills using Autodesk Inventor Professional 2020. Attempt several tutorials following YouTube clips.

### Explanation of task.

Read through and attempt the PowerPoint presentations and taster session task. All of the instructions and activities can be found in the presentations.

If possible, download the free (student license) CAD software Autodesk Inventor Professional 2020.

Attempt as many online tutorials as possible to develop your skills in preparation for September.

### Resources to support your work...

- Invictus D&T Factsheet pdf.
- Invictus D&T Sixth form at Leasowes PowerPoint presentation.
- Invictus D&T Taster & Summer task 2020 pdf.
- OCR A level D&T specification.
- Autodesk Inventor Professional 2020 Software.

This work is important because it leads to a better understanding of the qualification and allows students from GCSE Design & Technology or Level 2 Engineering to make the transition to A Level.

If you do this you will then be able to start creating design solutions using Computer Aided Design software.