



Engineering / Product Design & Systems & Control

1. Expectations for success are:

- Students must meet all the given deadlines.
- Students draft work must be produced to a very high standard. This should be to at least a C grade.
- Full attendance at all lessons is expected.
- Students must undertake detailed planning for all of their coursework.
- Students must attend the departments 2 hour after school study session to assist them with their coursework.

2. The characteristics of an outstanding student in this subject are:

- They have an excellent work ethic.
- That they have a real interest in the subject and are likely to pursue a career in this subject area.
- They work consistently hard throughout the year.
- They have good time management skills.
- They develop an ability to break down a large task / problem into smaller component parts and then solve these individually, before combining them to solve the large task / problem.
- They meet all deadlines.
- They are able to work independently.

3. Wider Reading List:

- Students must actively use the text books provided by the school both at home and in lessons.
- Students are expected to watch appropriate TV programmes such as: Grand Designs, Megastructures, How its made and Georges Amazing spaces, etc.
- Students are expected to read high quality newspaper articles relating to engineering.
- Students must investigate University courses relevant to design and engineering and what grades are expected to gain access to those courses.
- Students need to investigate Higher Apprenticeships on offer in design and engineering.
- Students should join a professional design or engineering institution that they are interested in.

4. Independent Study Ideas:

- Visit the Science Museum.
- Visit the Design Museum
- Visit the Victoria and Albert Museum
- University summer school
- Look at opportunities with the Smallpiece Trust.