Curriculum Overview

Curriculum Leader: Mrs Magowan **Subject:** Design Technology: Timbers/Textiles/Polymers **Year:** 11

Topics covered during the year:

At the start of Year 11 pupils will begin their Non- Examination Assessment (50% of the overall grade).
There are 4 main components to this work:

- Investigate (chose the task, client profile & user, research and plan)
- Design (From initial ideas through to developing some further to a final idea with 3D modelling)
- Make (Making and constructing the actual product)
- Evaluate (Testing and evaluating the product made and against the task and specification).
  The guided learning hours for this is 40.

During Year 11 pupils will also continue to embed knowledge, revise and work on exam preparation.
Core knowledge is as follows:

- New and emerging technologies
- Informing design decisions
- Energy, materials, devices and systems
- Material types, properties & structures
- Designing principles

As pupils will have selected a specialist area, they will also continue to embed their specialism (either Textiles, Timbers) through the Non Examination Assessment, revision, exam practice and practical tasks including looking at skills and techniques.

Assessment Opportunities – formative and summative:

Non – Examination work (NEA) can only be examined and assessed once it has been submitted for formal moderation. The only advice and guidance which can be given to pupils is generic and to the whole cohort, not on an individual basis. Pupils will however have access to sample work, the assessment criteria, specifically taught lessons and a NEA help guide. Once the NEA has been completed and moderated the final grades will be disclosed to pupils.

In Year 11 pupils will also complete a mock examination which will be formally marked and graded. They will also as complete exam practice on a less formal basis. A strong focus on formative assessment will ensure each pupil understands how they can improve their exam technique and subject specific knowledge and we will help them to assess their strengths and areas for development in order to prepare them for their final examination.

Links to the Big Picture: National Curriculum/KS4 GCSE

Exam Board – Pearson Ed Excel
Course title - GCSE Design Technology (1-9)

Year 11 Mock examination – Winter

Non – Examination Assessment deadline - February

Design Technology Examination – Summer

Useful resources & websites to support independent research and home learning:

http://www.technologystudent.com/index.htm

https://qualifications.pearson.com/content/dam/pdf

https://app.senecalearning.com/classroom/course/b

Enrichment/Extra –curricular opportunities in this subject:

- Ensure you have a copy of the revision guide. This allows you to revise and read through a topic and then allows you to test yourself.
- As you revise, produce a mind map, revision clock or a revision card so you are beginning to build a bank of subject specific resources.
- Use Seneca learning at home to practice answering subject specific questions. (link opposite and on Synergy)
- Ensure you have Knowledge Organisers for all of the 'core knowledge' topics (listed opposite in bold) and for your specialist area.