Curriculum Overview

Curriculum Leader: Mrs Magowan **Subject:** Design Technology: Timbers/Textiles/Polymers **Year:** 10

Topics covered during the year:

During Year 10 pupils will work through a variety of tasks and work to build and develop knowledge and skills to prepare them for their NEA (Non-examination assessment) in Year 11 (which is worth 50% of the GCSE.) This year will also build knowledge and techniques to prepare them for their written exam. The work will be interwoven with each other rather than taught as separate blocks of work. For example, pupils may be working on a mini NEA project where they are practicing and embedding design skills yet will be asked to work with a particular material and will learn all about it as well as completed practice examination questions.

During Year 10 pupils will cover core knowledge which encompasses;

- 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 to complete their NEA in they will also spend significantly more time advancing their knowledge and understanding on their chosen area. (Textiles, Timbers).

Assessment Opportunities – formative and summative:

Pupils will complete a range of formative assessments throughout year 10. These will include:

- Mini tests
- Practice examination questions
- Mock NEA – Non examination assessments (which will be graded, and next step feedback given).

A strong focus on formative assessment will ensure each pupil understands how they can improve and build on their learning. Many methods of assessment will be used including questioning, discussion, peer/self-assessment, class/teacher review and a summative assessment (mock examination). Written feedback will also be given regularly by the teacher throughout the year. We also like to encourage self and peer assessment as a valuable tool for learning and pupils are encouraged to actively create a written dialogue with their Teacher.

Exam Board / Exam paper requirements / Key dates:

Exam Board - Pearson Ed Excel

Course title - GCSE Design Technology (1-9)

Year 10 Mock examination – February 2023

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. Weekly homework will be set using this guide to build a revision resource for year 11.
- 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.