Bishop Heber High School

| Subject | Year | Term |
|---|---|---|
| Design and Technology | 9 | 1 |

## Topic

**D&T**

## Content (Intent)

**Prior Learning (Topic)** Year 8 D&T

Year 9 Design and Technology is a continuation of the work undertaken in Year 8 building on and extending the subject knowledge to introduce a new set of skills that enable students to become further involved and excited by the subject. The majority of the work undertaken is in preparation for the GCSE.
This term Students will be experiencing the GCSE NEA for the first time and using the process to design, develop and make a product of their choice for the garden.

**Future Learning (Topic)**

| What Knowledge and Skills will be taught (Implementation) | How will your understanding be assessed & recorded (Impact) |
|---|---|
| Students will complete a mini mock NEA. They will be given the context of Biomimicry and have to complete the design process to realise a prototype for a product for the garden. During this term students will:-<br><br>Investigate the problem,<br>Design and develop ideas<br>Model ideas<br>Complete their final design and engineering drawing | <u>Assessment</u><br>Throughout the unit students will be introduced to the sub-skills of designing, which they will employ to solve the assessed design tasks. Each unit is individually assessed through teacher assessment and the final end of year level and report is based on all work complete.<br>Main areas of assessment –<br><br>Identification of a problem<br>Design development<br>Making<br>Evaluating<br>Subject knowledge and understanding |

## How can parents help at home?

Discuss the product with your child. You could also be your child's client. Students will be given a homework booklet that they need to complete once a week. Please check through this.

## Helpful further reading/discussion (including Reading and Vocabulary Lists)

| Reading | Vocabulary Lists |
|---|---|
| www.technologystudent.com<br>GCSE Pod<br>Pintrest | Biomimicry<br>Iterations<br>Modelling<br>Rendering<br>Investigation<br>Testing<br>Specification |