

## **Year 9**

### **DESIGN & TECHNOLOGY DEPARTMENT**

#### **Curriculum Content**

The Year 8 Design & Technology course is split into the following units:

1. LEARNING TO LEARN – Design and Make
2. EVOLUTION AND THE FUTURE – Technology in Society

#### **Knowledge, Skills and Understanding**

In the LEARNING TO LEARN unit of work students will:

- appreciate the needs of the client (the child) by learning through investigation about the abilities and capabilities of the target age group
- develop suitable proposals for meeting those needs by identifying through your specification criteria, functions, materials and processes appropriate to addressing the need
- develop planning strategies to enable the production of your proposal, specifying construction techniques and how the materials will be finished
- develop practical skills by producing a prototype and evaluating it against the specification with the target client

In the FLOATING GARDENS unit of work students will:

- know how objects float in water and the factors that affect them
- demonstrate skills in designing and making structures
- understand how design needs to be focused around user needs
- understand how sustainable design can be used to create better real life situations across the globe

#### **Assessment Opportunities**

Work is continually assessed throughout each unit of work with teacher comments providing details on where the student has been successful and how they can improve in future. Grades are not given for each piece of work, instead we provide each student with a grade half way through their course and then a summative grade for attainment and effort is given at the end.