

**SUBJECT:** Design Technology

**YEAR:** 9

**HEAD OF DEPARTMENT:** Mrs A Brogan

**GROUPING POLICY:** Mixed Ability

### **COURSE CONTENT**

In year 9 students will follow a rotation. Students will study 2 terms in Resistant Materials, 2 terms in Cooking and Nutrition and 2 terms in Textiles Technology. In this time students will complete 6 projects which will develop a range of design and make skills, they will learn about materials and processes relevant to all 3 areas.

#### **What will my child learn?**

Year 9 Theme; Contemporary

Student will complete a range of projects throughout the year. All projects are designed to develop student's practical skills, design skills and theory related to the subject area.

#### **Resistant Materials**

##### **Contemporary Candleholder**

Students design and create a tea light holder in a contemporary style. Students use 2d design computer programme to draw their final design and work on dimensions and layout. The project will then be created using the laser cutter ensuring student have a clear understanding of batch production and CAD CAM. Students will also design and make a pewter cast key fob, also considering packaging and branding of there product.

#### **Cooking and Nutrition**

##### **Yeast, moulds and bacteria**

Students will learn the role of yeasts, moulds and bacteria in cooking. They will create a range of dishes including bread, flaky pastry and tikka masala. Students will develop their cooking skills as well as planning, time management and knowledge of ingredients.

#### **Textiles**

##### **Bugs and Butterflies Doorstop**

Students will learn how to use materials to create a 3d structure. They will focus on using inspiration from nature to create a contemporary product. Students will learn/develop skills in using the sewing machine as well as many decorative techniques including applique, embroidery and printing. They will also design and make bunting utilising various decorative processes.

#### **What will homework look like?**

Home work will vary depending on the module and material. Some home works will be extended pieces of work, some will be collecting ingredients/materials for practical lessons and some will be short focused tasks.

**What enrichment opportunities are available?** A variety of afterschool clubs and competitions are available for students to participate in.

### ASSESSMENT

**How will my child's work be assessed?** Each project will have specific focusses from the national curriculum. All areas of the national curriculum will be assessed throughout the year. Regular written feedback will be given to students and grades shared with students. The grading reported will be an average of the students' progress in Resistant Materials and Food/Textiles.

### ADDITIONAL INFORMATION

**How can I support my child in this subject?** Providing ingredients and materials. Discussing and evaluating products at home.