YEAR 8 FOOD & NUTRITION:
SPRING TERM TOPICS

Students design and make a range of dishes that use staple foods as the main ingredients whilst further developing their kitchen and cooking skills. Students will learn about …

- Pasta, types of pastry and bread
- Conducting Market Research
- Recipe development
- Sensory evaluation of final product
- Nutritional analysis
- Time plan sequence for practical lessons
- Developing Graphic skills to design food packaging

YEAR 8 PRODUCT DESIGN:
SPRING TERM TOPICS

Product Design - Hand Steady Game: Students will design and make an electronic challenge game. Students learn:

- A range of construction techniques to including laser cutting/engraving
- Manufacture of an electronic circuit
- Marking out and following dimensioned diagrams
- Standard wood construction techniques including a mortise machine
- Computer Aided Design & Manufacture
- Shaping methods using metal

YEAR 8 TEXTILES:
SPRING TERM TOPICS

- Students design and make a fabric container inspired by Mexican Art and Culture
- They are encouraged to use some recycled materials and a range of techniques including appliqué and Tie-Dye

YEAR 8 COMPUTING:
SPRING TERM TOPICS

Computing -Term 2

HTML and Apps:

- The aim of this unit is to teach the students how to build their own apps using a web-based app builder. It will give them all the tools and resources to build a working web app which can be used on any HTML5 compatible device. In the unit they will evaluate existing apps, mock up their own designs and build, test and evaluate their own apps. By the end of this unit they will have an understanding of a good user interface, know the difference between web apps and native apps, and be able to find and create resources such as icons and backgrounds.

Flowol

- Programming visually with a flowchart allows the student to focus on the logic of their solution rather than the syntax of a written program. Flowol supports many programming elements: Sequences of instructions; Branching using decisions; Loops (infinite, or based on a condition or count) Variables and simple variable manipulation

Computing - Term 3 – Cyber Security:

- Cyber security is how individuals and organisations reduce the risk of cyber-attack. Cyber security's core function is to protect the devices we all use (smartphones, laptops, tablets and computers), and the services we access - both online and at work - from theft or damage.