Learning Over the Year -
Outline:
In Design Technology students will work on a rotational system of 7/8 weeks and finish with a unit test. This should enable all students by the end of the academic year to have experienced the 4 disciplines of Food Preparation and Nutrition, Product Design, Materials Technology and Electronics and Mechanical Systems. This should enable students to gain a foundation knowledge which they can then build on in year 8.

Rotation 1: FOOD PREPARATION & NUTRITION
During this topic students will learn about the basics of food hygiene and safety principles in the kitchen. The aim is to develop student's practical and theoretical skills in food preparation and nutrition. This will be achieved by research and the completion of multiple different food preparation tasks.

Rotation 2: MOTION & MECHANISMS
In this topic students will learn about the multiple different materials and consider their working properties. The aim is to develop student's practical and theoretical knowledge of an array of materials and the appropriate tools. This will be done by the completion of a project, either using materials of woods, metals or plastics.

Rotation 3: PRODUCTION & PACKAGING
Students will learn about the basics of packaging and production techniques. The aim is to develop student's practical and theoretical skills in creative design and promotional packaging. This will be done by the completion of a unit project, where students will develop their own packaging.

Rotation 4: SYSTEMS & ELECTRONICS
In this topic students will learn about the basics of systems. The aim is to develop student's practical and theoretical knowledge of inputs, processes and outputs. This will be done by the exploration and completion of a unit project where students look at either electronics or mechanical systems.

Homework & Assessment -
Students will complete pieces of home learning during each rotation. In addition, students will be assessed over the rotation and given levels based on the work they have completed. Finally, all students will have an end of unit test which they will be expected to revise and plan for at the end of each rotation, giving them an overall final level for each rotation.

Exam Board Information -
Not Applicable

Subject Contact Information -
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Useful Links -

Useful websites
Technologystudent.com
Mr-DT.com
childrensfoodtrust.org.uk/

Holiday visits
Design Museum
Science Museum
100% Design - exhibition
Gadgetshowlive - exhibition