



Curriculum Overview

Subject: HDIW

How Does It Work (Design & Technology)

HDIW is taught as an inspiring practical subject. Using creativity and imagination, pupils design and make products that they have researched, and then designed and made their own. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils can learn to take risks, become resourceful, innovate, and work together to problem solve. All the projects are broad enough to be differentiated to meet all the needs of the pupils and their abilities. All will investigate existing products and then experience a design and make task. Pupils are encouraged to continually evaluate their work as it progresses and share their thoughts and ideas with others.

Key Stage 3:

All pupils will experience a wide variety of skills and learning activities. We look at both natural and man-made materials and begin to identify their uses and properties. Textiles, construction materials and recycled materials are used throughout the different projects in a class based environment.

Key Stage 4:

Pupils use the Construction workshop to access the use of hand tools and power tools. Safety is our main consideration and all pupils learn the importance of following rules and routines whilst completing practical activities. We mainly use wood to construct small design and make tasks and then complete a variety of tasks and challenges using tools and problem solving situations that would be achievable in the home (DIY).

Accreditation:

- PEARSON BTEC Construction Entry 3 and Level 1