The Warren Park DT Learning Journey

Secondary School Science, A-Levels, Degrees, Future Jobs and Related Careers.

YEAR 6

I have valuated the effectiveness of their design and suggest adjustments to improve efficiency or effectiveness

I have **shown an understanding of limitations of time , cost and materials.**.

I will have the chance to **gather** and use research from a variety of sources employed

I have reflected on the progress of work as I design and make

I will evaluate effectiveness of research.

I know that there are a variety of products which incorporate a pulley and a drive belt and are driven by a motor or a computer

I have **explored** how to include an electric motor in a simple circuit.

I model the design using temporary fixings and carry out appropriate tests before making improvements

I make a product in which an electric motor successfully drives a rotating part

YEAR 5

I have carried out appropriate tests before making any improvements.

I have suggested alternative ways of making the product if the first attempt fails

I measure, mark out, cut and shape a range of materials. Assemble and combine components and materials effectively.

I follow **safety procedures** for food safety and hygiene

I have planned what they have to do, suggesting a sequence of actions and alternatives if needed.

I have generated ideas for products in order to fulfil a need

I investigated how the working characteristics of materials affect the ways they are used

I use information from a number of sources

I **recognise** that the quality of a product depends on how well it meets its intended purpose

I select **appropriate** tools and **techniques** for making a product..

YEAR 4

I **investigate** and **evaluate** a range of familiar products

I use **finishing techniques** to strengthen and improve products.

I **investigate** a range of familiar products, thinking about how they work, how they are used, and the views of people who use them..

I can assemble , join and combine materials in order to make a vehicle.

YEAR 3

I can **assemble, join and combine components** and **materials effectively.**

I have **explored** the **sensory** qualities of materials.

I recognise that the quality of a product depends on how well it is made.

I use a range of **mouldable materials.**

I can **use** hand tools safely and appropriately

I can **measure** and **cut** accurately.

I **investigated** and **evaluated** that vehicles are made up of different parts.

I can **identify** a purpose for what they intend to design and make .

YEAR 2

I have investigated and evaluated the names of different buildings and the main features..

I have **practically explored** making a simple hinge.

I can **design** and **make** using own experiences when developing ideas

I have **practically explored** basic joining techniques for 3D modelling using glues and masking tape

I can **design** and **assemble**, **join** and **combine** 2D and 3D materials into a model.

I **investigated** and **evaluated** that vehicles have different purposes

I have **practically explored** the use of wheels and axles.

YEAR 1

I **investigate** and **evaluate** that we live in many different types of homes.

I have **explored** using simple tools to effect changes to the materials

I have **explored** creating constructions ,collages, paintings and drawings.

I am provided with extensive **opportunities** for building with a wide range of objects.

YEAR R

I begin to **express** and **communicate** ideas, thoughts and feelings using a wide range of materials.

I **construct** with a purpose in mind, using a variety of resources.