Design and Technology Roadmap



and winding mechanisms appropriate to their design. When working with electronics, children will understand that some products need batteries to work and sometimes these can have faults. ing techniques such as dyeing and printing and also adding buttons and sequins. Children will work with a wide range of materials in order to practice construction such as nailing, screwing and gluing. They will consolidate their knowledge of materials in order to make more informed choices at KS2. measure and weigh ingredients using scales or cups. Children will work with a wide range of materials. They will learn to cut and shape using a range of techniques and tools and measure to ensure accuracy. Through making things they will investigate a range of joining techniques to combine and strengthen materials.

at a variety of products and explore and talk about how they work.

EYFS

Food/Materials

Textile/Construction

Computing/Mechanics/Electronics

Design, Make, Evaluate, Improve

EYFS - Children have a wide range of experiences with food. They start to learn basic techniques and how to use a range of utensils safely. Children investigate materials and their properties. They use a variety of joining techniques and learn to handle tools correctly. EYFS - When junk modelling or creating pieces of artwork, children are able to select textiles. Children use a wide range of materials to build and junk model. They use different ways to combine and join materials. EYFS - Children use a range of technology including ipads, beebots and IWB and think about how they help us. Children have access to a range of toys and objects that contain pulleys, levers and buttons, and explore how to make them work. EYFS - Children talk about what they have made and how it could be better.