



### Design and Technology through our projects in school

**Reception** – Children are confident to use screwdrivers and balsa wood to make models independently. Children use a range of fixings to secure their models. They use cardboard boxes to cut to size for their models and decorate with a range of material.

**Year 1 and 2** – learnt about the mechanisms involved in castle design, visited a castle, saw the mechanisms in actions. Played with the mechanisms in the castle play park, designed their own mechanisms based on what they had seen and experienced and made their own mechanisms using cardboards, string, dowel and a range of fixings.

**Year 3 and 4** – learnt about food. They had a visit from a local food bank charity and learnt about how the food bank worked. They revisited what makes a healthy diet. They tasted a range of healthy snacks, designed and made their own healthy snacks. Evaluated a range of food packaging, designed and made their own food packaging. They made and sold the snacks at our project open afternoon.

**Year 5 and 6** – They had a visit from a Rolls Royce team who helped them design and make their own cars and supported them with resources they brought in with them to launch the cars. They researched Rolls Royce. They researched and designed aeroplanes and cars. They made aeroplanes and cars.

