

# Design Technology and Engineering



<p>Topics of Study</p>	<p><b>Year 7:</b></p> <p>Graphics – Pupils design and make a blister pack which holds sweets so that they can be sold in a gift shop at a Safari Park.</p> <p>Resistant Materials – Pupils design and make a personal stationery holder using Computer Aided Design and Computer Aided Manufacture.</p> <p>Food – Pupils learn the correct way to prepare fruit and vegetables. This is then linked in with an understanding of healthy eating and nutrition.</p> <p>Textiles – Pupils design and make an Egyptian inspired notebook cover. They learn how to dye fabric, use sewing machines and have the opportunity to add embroidery.</p> <p>Engineering – Pupils design and make a picture frame using acrylic. It includes an electronic circuit with a bulb that lights up the frame when it goes dark.</p> <p><b>Year 8:</b></p> <p>Graphics – Pupils design and make an album cover, a CD sticker and a mini t shirt which promotes a singer / group of their choice.</p> <p>Resistant Materials – Pupils design and make a clock. They use hand tools to cut and shape wood and the laser cutter to create a clock face.</p> <p>Food – Pupils learn how to shop wisely. They focus on environmental issues such as packaging. They produce a range of high quality dishes with confidence.</p> <p>Textiles – Pupils design and make a fleece hat for children building on previous sewing machine skills and they learn the felting technique.</p> <p>Engineering – Pupils design and make a steady hand game. They learn about electronics and make their own circuit.</p>
<p>Assessment</p>	<p>At the end of each DT subject area, pupils take an end of unit test which assesses their understanding of topics covered.</p> <p>Pupils' books and practical work are also levelled by the class teacher.</p> <p>The above methods of assessment are recorded in the pupils' individual Design Technology Record of Achievement booklets.</p>
<p>Homework</p>	<p>During each nine week topic, pupils are issued with a homework booklet to be completed and given back to the class teacher.</p> <p>The homework is available as a hard copy from the class teacher or can be downloaded from the school's website.</p>
<p>Parental Support</p>	<p>Parents can support their children by encouraging them to develop their drawing skills at home and also by encouraging them to research the different materials they use in their projects.</p> <p>Parents can also ensure that children are completing their weekly homework which is found in their homework booklet.</p>

