

## South End Junior School

## Design & Technology Long-Term Overview

	<b>Cooking and Nutrition</b>	<b>Mechanisms</b>	<b>Structures</b>	<b>Textiles</b>	<b>Electrical systems</b>
<b>Year 3</b>	<p><b>Focus</b> – Food - Healthy and varied diet</p> <p>Pupil task – Designing, making and evaluating a bread-based product with a filling for lunch, such as a wrap or a sandwich</p> <p><b>Sustainability focus –</b> Contact local businesses for food donations to assist with meal creation</p>	<p><b>Focus</b> - Freestanding structures</p> <p>Pupil task - Designing, making and evaluating a strong chair for Baby Bear</p> <p><b>Sustainability focus -</b> use already collected cardboard</p>	<p><b>Focus</b> - Shell structures</p> <p>Pupil task -Designing, making and evaluating packaging for a gift</p> <p><b>Sustainability focus -</b> use recycled packaging from existing products</p>	<p><i>Christmas card running stitch</i></p>	
<b>Year 4</b>	<p><b>Focus</b> – Food - Healthy and varied diet</p> <p>Pupil task – Designing, making and evaluating soup</p> <p><b>Cross curricular link -</b> Viking soup (history)</p> <p><b>Sustainability focus –</b> Contact local businesses for local and seasonal food donations to assist with meal creation</p>	<p><b>Focus</b> – Pneumatics</p> <p>Pupil task -Designing, making and evaluating a moving 'creature in a box' toy for small children</p> <p><b>Sustainability focus -</b> Keep squeeze bottles (fruit shoot, washing up liquid bottle) - school wide collection</p>	<p><b>Focus</b> - Levers and Linkages</p> <p>Pupil task – Designing, making and evaluating a greeting card, poster or storybook (with moving parts)</p> <p><b>Sustainability focus -</b> Keep old cards and storybooks – check with charity shops and local businesses</p>	<p><i>Christmas card – back stitch</i></p>	<p><b>Focus</b> - Electrical circuits (switches)</p> <p>Pupil task – Designing, making and evaluating a nightlight for someone else</p> <p><b>Sustainability focus -</b> use recycled cardboard boxes/ plastic bottles</p>

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<p><b>Year 5</b></p>	<p><b>Focus</b> – Food – Fair trade</p> <p>Pupil task – Designing, making and evaluating biscuits using fair trade ingredients.</p> <p><b>Cross curricular link</b> – Maths – weights and measures</p> <p><b>Sustainability focus</b> - use fair trade products</p>	<p>n/a</p>	<p>n/a</p>	<p><i>Christmas card – blanket stitch</i></p> <p><b>Focus</b> – 2D shape to 3D products</p> <p>Pupil task – Designing, making and evaluating a holder/wallet/phone case or pencil case</p> <p><b>Sustainability focus</b> - using reclaimed materials</p>	<p><b>Focus</b> – Monitoring and control</p> <p>Pupil task - Designing, making and evaluating an electronic toy moneybox</p> <p><b>Cross curricular link</b> - Using crumble kits (link to ICT)</p> <p><b>Sustainability focus</b> - use recycled cardboard boxes</p>
<p><b>Year 6</b></p>	<p><b>Focus</b> – Food – Celebrating culture and seasonality</p> <p>Pupil task – Designing, making and evaluating a two-course meal using ‘to good to go’ ingredients.</p> <p><b>Sustainability focus</b> - Ready, Steady, Cook – Using too good to go foods (contact local supermarkets or bring from home) to create a 2-course meal</p>	<p><b>Focus</b> – Pulleys and gears</p> <p>Pupil task – Designing, making and evaluating a new toy vehicle</p> <p><b>Cross curricular link</b> maths - ratio for gears</p> <p><b>Sustainability focus</b> – Use pegs and elastic bands already in school</p>	<p><b>Focus</b> – Frame structures</p> <p>Pupil task – Designing, making and evaluating a small-scale bird hide/ den</p> <p><b>Cross curricular link</b> - Maths – measurements, angles and shapes</p>	<p><i>Christmas card – cross stitch</i></p> <p><b>Focus</b> – Using CAD in textiles</p> <p>Pupil task - Using CAD to create a pattern for an item of clothing using upcycled clothing (old piece of school uniform) /fabric (build upon sewing from previous 3 years to put together clothing item)</p> <p><b>Sustainability focus</b> – Use old uniform, clothes donations (staff and students) - reach out to charity shops and local businesses</p>	<p>n/a</p>