



## D.T. Progression Maps

### Reception D.T. Progression Map

Autumn Term	Spring Term	Summer Term
<p>Children will: Learn new vocabulary through talk and play activities.</p> <p>Ask and answer questions linked to using senses to describe the feel, taste, sound, sight and smell of things.</p> <p>Copy and create patterns Make imaginative and small worlds using construction kits.</p> <p>Explore different materials to create own ideas</p> <p>Use equipment and materials to cut, join, create models and designs.</p> <p>Talk about things which have been made and explain how they work.</p>	<p>Children will:</p> <p>Learn new vocabulary by talking about pictures, photographs, artefacts and models of homes and houses.</p> <p>Copy and continue repeating patterns by printing with blocks, bricks and other equipment.</p> <p>Explore different materials to develop ideas about how they work, how to use them and what to make linked to Supertato.</p> <p>Create things collaboratively with a partner, sharing resources ideas and skills.</p> <p>Use equipment to create objects which move with a flap and a slider.</p> <p>Develop skills to use tools safely and confidently e.g. scissors, hole punch, glue sticks</p> <p>Explore a range of toys for play to encourage discussion and vocabulary development.</p>	<p>Children will:</p> <p>Learn new vocabulary through talk, play, use of objects and photographs through stories such as Gingerbread Man.</p> <p>Copy and create symmetrical patterns using different materials.</p> <p>Investigate different materials and tools to create models and constructions to explore ideas about how they work, how to use them and what to make.</p> <p>Create things collaboratively in small groups, sharing resources ideas and skills.</p> <p>Use equipment to create objects which move with a pulley or lever</p> <p>Develop skills to use tools safely and confidently e.g. cutting tools, rolling pins, staples.</p> <p>Investigate artefacts and equipment to encourage discussion and vocabulary development about how they work and move .</p>

## Year One D.T. Progression Map

Autumn Term	Spring Term	Summer Term
<p><b>Mechanisms</b></p> <p>Children will:</p> <p>Design a model using sliders and levers</p> <p>Generate ideas based on own experiences and designs</p> <p>Develop and communicate ideas through drawings and mock ups</p> <p>Use tools to cut, join and shape paper and card</p> <p>Evaluate a product by identifying how it works using sliders and levers.</p>	<p><b>Making Bread</b></p> <p>Children will:</p> <p>Identify ingredients needed for making bread.</p> <p>Observe changes in dough</p> <p>Understand that dough needs to be cooked to make bread.</p> <p>Use tools and equipment safely</p> <p>Understand the need to work hygienically.</p> <p>Measure, mix, Knead and shape dough</p> <p>Use technical vocabulary linked to baking bread.</p> <p>Understand where ingredients come from</p> <p>Evaluate the bread that has been made.</p>	<p><b>Textiles</b></p> <p>Children will:</p> <p>Explore colours, patterns and textures of different fabrics</p> <p>Understand how simple 3D textile products are made using a template to create identical shapes.</p> <p>How to join fabrics using different techniques such as glue, overstitching, stapling running stitches</p> <p>Design a product for a chosen user.</p> <p>Generate ideas through talking, drawing, making templates and mock-ups.</p> <p>Select and use a range of tools and equipment to mark out, cut, join and finish materials.</p> <p>Explore different finishing techniques i.e. using paint, fabric crayons, stitching, etc</p> <p>Select and use textiles according to their characteristics.</p>

## Year Two D.T. Progression Map

Autumn Term	Spring Term	Summer Term
<b>Fruit Salad</b>	<b>Mechanisms</b>	<b>Structures</b>
<p>Children will: Design an appealing fruit salad .</p> <p>Generate ideas for a fruits salad by investigating different types of fruit.</p> <p>Communicate ideas through talk and drawings.</p> <p>Use simple equipment to cut, slice, grate, peel and chop safely.</p> <p>Taste and evaluate a range of fruit and vegetables to determine preferences.</p> <p>Evaluate ideas and determine what works well and what could be changed to improve the design.</p>	<p>Children will: Generate ideas for models using wheels and axles.</p> <p>Explore and investigate vehicles with moving wheels using construction kits.</p> <p>Develop ideas and communicate them through drawing and talking.</p> <p>Select and use a range of tools and equipment and cut and join materials in order to encourage movement.</p> <p>Use technical vocabulary to describe parts of models.</p> <p>Explore and use wheels, axels and axel holders on models</p>	<p>Children will: Explore a range of freestanding structures in school and the environment.</p> <p>Experience using construction kits to build walls, towers and frameworks.</p> <p>Use basic tools and materials to create structures.</p> <p>Explore different methods of joining card and paper.</p> <p>Generate ideas based on simple designs and own experiences about what can be made. Plan and think about what to do next.</p> <p>Be able to cut and join materials to allow movement</p> <p>Select new and reclaimed materials and construction kits to build structures</p> <p>Use simple finishing techniques to improve and develop models.</p> <p>Evaluate models by discussing how well something works in relation to it's purpose.</p>