

# Dothill Progression Mapping



## Design Technology

Respect Happiness Responsibility Creativity HONESTY Enthusiasm Confidence Kindness Cooperation fairness

	EYFS	Year One	Year Two
<b>Design</b>	<p><b>Build a home using a variety of materials</b>  <b>Hedgehog Hotel</b>  <b>Fruit Smoothies</b></p> <ul style="list-style-type: none"> <li>✓ Have my own ideas about homes/ Hedgehog hotels and Smoothies</li> <li>✓ Talk about my ideas/favourite fruits and why</li> <li>✓ With guidance select appropriate resources for all my DT projects</li> <li>✓ Use gestures, talking and arrangements of materials and</li> <li>✓ components to show design</li> <li>✓ Use contexts set by the teacher to build my ideas</li> <li>✓ Use language of designing and making (join, build, shape, longer, shorter, heavier etc.)</li> </ul>	<p><b>Moving pictures</b>  <b>Fruit Kebabs (Healthy)</b></p> <ul style="list-style-type: none"> <li>✓ Have my own ideas about moving pictures and fruit kebabs</li> <li>✓ Explain what I want to do to make my moving picture and what fruit I will use to make my fruit Kebabs</li> <li>✓ Explain what my product is for, and how it will work/be used</li> <li>✓ Use pictures and words to plan and begin to use models</li> <li>✓ Design a product for myself following a design criteria</li> <li>✓ Research similar existing products</li> </ul>	<p><b>Hand Puppets</b>  <b>Explorers Soup (Healthy)</b>  <b>Construct an insect hotel</b></p> <ul style="list-style-type: none"> <li>✓ Have own ideas about hand puppets, soup, construction and plan what to do next</li> <li>✓ Explain what I want to do and describe how I may do it</li> <li>✓ Explain purpose of product, how it will work and how it will be suitable for the user</li> <li>✓ Describe design using pictures, words, models, diagrams, begin to use ICT</li> <li>✓ Design products for myself and others following design criteria</li> <li>✓ Choose the best tools and materials, and explain choices</li> <li>✓ Use knowledge of existing products to produce ideas</li> </ul>
<b>Make</b>	<ul style="list-style-type: none"> <li>✓ Construct with a purpose, using a variety of resources</li> <li>✓ Use simple tools and techniques</li> <li>✓ Build / construct with a wide range of objects</li> <li>✓ Select tools &amp; techniques to shape, assemble and join</li> <li>✓ Replicate structures with materials / components</li> <li>✓ Discuss how to make an activity safe and hygienic</li> <li>✓ Record experiences by drawing, writing, voice recording</li> <li>✓ Understand different media can be combined for a purpose</li> </ul>	<ul style="list-style-type: none"> <li>✓ Explain what I'm making and why</li> <li>✓ Consider what I need to do next</li> <li>✓ Select tools/equipment to cut, shape, join, finish and explain choices</li> <li>✓ Measure, mark out, cut and shape, with support</li> <li>✓ Choose suitable materials and explain choices</li> <li>✓ Try to use finishing techniques to make product look good</li> <li>✓ Work in a safe and hygienic manner</li> </ul>	<ul style="list-style-type: none"> <li>✓ Explain what I am making and why it fits the purpose</li> <li>✓ Make suggestions as to what I need to do next.</li> <li>✓ Join materials/components together in different ways</li> <li>✓ Measure, mark out, cut and shape materials and components, with support.</li> <li>✓ Describe which tools I am using and why</li> <li>✓ Choose suitable materials and explain choices depending on characteristics.</li> <li>✓ Use finishing techniques to make product look good</li> <li>✓ Work safely and hygienically</li> </ul>

<p><b>Evaluate</b></p>	<ul style="list-style-type: none"> <li>✓ Adapt work if necessary</li> <li>✓ Dismantle, examine, talk about existing objects/structures</li> <li>✓ Consider and manage some risks</li> <li>✓ Practise some appropriate safety measures independently</li> <li>✓ Talk about how things work</li> <li>✓ Look at similarities and differences between existing objects / materials / tools</li> <li>✓ Show an interest in technological toys</li> <li>✓ Describe textures</li> </ul>	<ul style="list-style-type: none"> <li>✓ Talk about my work, linking it to what I was asked to do</li> <li>✓ Talk about existing products considering use, materials, how they work, audience, where they might be used</li> <li>✓ Talk about existing products, and say what is and is not good</li> <li>✓ Talk about things that other people have made</li> <li>✓ Begin to talk about what could make my product better</li> </ul>	<ul style="list-style-type: none"> <li>✓ Describe what went well, thinking about the design criteria</li> <li>✓ Talk about existing products considering use, materials, how they work, audience, where they might be used.</li> <li>✓ Express my opinion</li> <li>✓ Evaluate how good existing products are that I/we have researched</li> <li>✓ Talk about what I would do differently if I were to do it again, and why</li> </ul>
<p><b>Technical Knowledge</b></p>	<p><b><u>Technical Knowledge-Food and Nutrition (Fruit Smoothies)</u></b></p> <ul style="list-style-type: none"> <li>✓ Begin to understand some food preparation tools, techniques</li> <li>✓ and processes</li> <li>✓ Practise stirring, mixing, pouring, blending</li> <li>✓ Discuss how to make an activity safe and hygienic</li> <li>✓ Discuss use of senses</li> <li>✓ Understand need for variety in food</li> <li>✓ Begin to understand that eating well contributes to good health</li> </ul>	<p><b><u>Technical Knowledge-Mechanisms (Moving pictures)</u></b></p> <ul style="list-style-type: none"> <li>✓ Begin to use levers or slides</li> </ul> <p><b><u>Technical Knowledge-Food and Nutrition (Fruit Kebabs)</u></b></p> <ul style="list-style-type: none"> <li>✓ Describe textures</li> <li>✓ Wash hands &amp; clean surfaces</li> <li>✓ Think of interesting ways to decorate food</li> <li>✓ Say where some foods come from, (i.e., plant or animal)</li> <li>✓ Describe differences between some food groups (i.e., sweet, vegetable etc.)</li> <li>✓ Discuss how fruit and vegetables are healthy</li> <li>✓ Cut, peel and grate safely, with support</li> </ul>	<p><b><u>Technical Knowledge-Textiles (Hand Puppets)</u></b></p> <ul style="list-style-type: none"> <li>✓ Measure textiles</li> <li>✓ Join textiles together to make a product, and explain how I did it</li> <li>✓ Carefully cut textiles to produce accurate pieces</li> <li>✓ Explain choices of textile</li> <li>✓ Understand that a 3D textile structure can be made from two identical fabric shapes.</li> </ul> <p><b><u>Technical Knowledge-Food and Nutrition (Explorers Soup-Healthy)</u></b></p> <ul style="list-style-type: none"> <li>✓ Explain hygiene and keep a hygienic kitchen</li> <li>*Describe property of ingredients and importance of varied diet</li> <li>✓ Say where food comes from (animal, underground etc.)</li> <li>✓ Describe how food is farmed, home-grown, caught</li> <li>✓ Draw the eat well plate and explain there are groups of food</li> <li>✓ Describe "five a day"</li> <li>✓ Cut, peel and grate with increasing confidence</li> </ul> <p><b><u>Technical Knowledge-Materials/structures (Insect Hotel)</u></b></p> <ul style="list-style-type: none"> <li>✓ Measure materials that you will use to make insect hotel</li> <li>✓ Describe some different characteristics of the materials you are using</li> <li>✓ Join materials in different ways</li> <li>✓ Use joining, rolling or folding to make it stronger</li> <li>✓ Use my own ideas to try to Make my product stronger</li> </ul>

	<u>Design Vocabulary</u> Plan Prepare Design Materials Ideas Use Model	<u>Technical Knowledge and making:</u> Move Fast Slow Build Make Cut Stick Tape Glue Draw	<u>Cooking and Nutrition:</u> Healthy Unhealthy Fruit Vegetables Taste Clean Safe Ingredient s Mixing Stirring Pouring Blending Hot Cold	<u>Evaluate:</u> Good Worked Best Tried Better Useful Safe Dangerous	<u>Design Vocabulary</u> : Plan Prepare Design Materials Ideas Use Model Developmen t Market Research Template	<u>Technical Knowledge and making:</u> Design Draw Sketch Tools Features Felt Paper Cardboard Pins Fix Glue Attach Fast Slow Faster Slower	<u>Cooking and Nutrition:</u> Healthy Unhealthy Fruit Vegetables Taste Clean Dirty Ingredients Cutting Safe Unsafe Amount Nutrients	<u>Evaluate:</u> Change Improve Worked Best Prefer Useful Unsuccessf ul Future Progress Change modify Finished article Evaluate	<u>Design Vocabulary</u> : Plan Prepare Design Materials Ideas Use Model Developmen t Market Research Survey Template	<u>Technical Knowledge and making:</u> Design Draw Sketch Tools Features Felt Paper Cardboard Brick Wood Stone Cloth Metal String Wool Clay Fix Glue Attach	<u>Cooking and Nutrition:</u> Hot Cold Healthy Unhealthy Fruit Vegetables Taste Clean Dirty Ingredients Cutting Safe Unsafe Amount Nutrients Source Recipe Weight	<u>Evaluate:</u> Change Improve Prefer Useful Unsuccessf ul Future Progress Alter Adapt Original modify Finished article Evaluate Graphics
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