

## Thurnham Whole School DT Progression 2022-23

### Progression in DT through our Empowering Curriculum

*“At Thurnham our Empowering Curriculum will give pupils the key skills that they need to flourish; Brain Power, Resilience and Independence.”*

Year R (taken from development matters)	Year 1	Year 2
<b>Design a product</b>		
<p>There will also be an emphasis on the vocabulary the children will be using in their planning and making.</p> <ul style="list-style-type: none"> <li>➤ I can talk about other products</li>   <li>➤ I can talk about a plan for a construction</li>   <li>➤ I can talk about the purpose for my construction</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can think about products I know to help me generate ideas</li> <li>➤ I can research some products linked to my design criteria</li>   <li>➤ I can plan and talk about my ideas</li> <li>➤ I can draw a plan including some ideas for the materials to use</li>   <li>➤ I can talk about the reasons and thinking behind my choices</li> <li>➤ I can think about who my product is for</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can generate ideas by drawing on their own and other people's experiences of products</li> <li>➤ I can independently research ideas linked to my design criteria</li> <li>➤ I can select pictures to help develop ideas</li> <li>➤ I can use drawings to record my ideas as they are developed</li> <li>➤ I can add notes to drawings to help explanations</li> <li>➤ I can select an appropriate technique explaining First.....Next.....Last....</li>   <li>➤ I can discuss my design ideas with my peers and think about improvements</li>   <li>➤ I can identify a purpose for what I intend to design and make.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ I can name some of the tools I will need</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can make templates and mock-ups of my ideas in card and paper or using ICT.</li> <li>➤ I can select and name the tools needed to work the materials</li> </ul>
<b>Making and Technical knowledge</b>		
<ul style="list-style-type: none"> <li>➤ I can select simple tools</li> <li>➤ I can handle tools, objects, construction and malleable materials safely and with increasing control</li> <li>➤ I can select appropriate resources and techniques needed to shape, assemble and join materials I am using.</li> <li>➤ I can use simple tools to effect changes to materials.</li> <li>➤ I can manipulate materials to achieve a planned effect.</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can select tools and materials</li> <li>➤ I can describe what I need to do next</li> <li>➤ I can build structures, exploring how they can be made stronger, stiffer and more stable.</li> <li>➤ With help, I can measure, mark out and cut a range of materials</li> <li>➤ I can join appropriately for different materials and situations e.g. glue, tape</li> <li>➤ I can manipulate materials to create different shapes</li> <li>➤ I can use a slider mechanism</li> <li>➤ I can use levers</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can use correct vocabulary to name and describe the tools and materials I select</li> <li>➤ I can discuss my work as it progresses</li> <li>➤ I can investigate how to strengthen sheet materials according to my need</li> <li>➤ I can explore ideas by rearranging materials</li> <li>➤ I can measure, mark out and cut a range of materials</li> <li>➤ I can use different joining techniques both temporary and fixed</li> <li>➤ I can manipulate different materials to create accurate shapes</li> <li>➤ I can create hinges</li> <li>➤ I can use a range of materials to create models with wheels and axles e.g. tubes, dowel, cotton reels</li> </ul>

- I can eat a healthy range of foodstuffs and understand the need for variety in food.

- I can think about finishing techniques I could use
- I can use some techniques to finish my product

- I can cut out shapes which have been created by drawing round a template onto the fabric
- I can join fabrics by using running stitch and glue
- I can decorate fabrics with buttons, beads, sequins, ribbon by attaching with glue

- I can understand that all food comes from plants or animals.
- I can begin to name and sort foods into the five groups in 'The Eat well plate'
- I know how to prepare simple dishes safely and hygienically
- I can demonstrate how to use techniques such as cutting, peeling and grating.

- I can attach wheels to a chassis using an axle
- I can cut strip wood/dowel using hacksaw and bench hook
- I can choose and use appropriate finishing techniques

- I can colour fabrics using a range of techniques e.g.fabric paints, printing
- I can create my own template as a pattern for my fabric

- I can join fabrics by using running stitch and whip stitch
- I can begin to use backstitch
- I can decorate fabrics with buttons, beads, sequins, ribbon and begin to attach them with stitches

- I can explain where some food comes from
- I can explain the five groups in the 'Eat well' plate
- I explain good hygiene methods for preparing food
- I can demonstrate techniques for preparing food such as cutting, peeling, grating, and blending

		<ul style="list-style-type: none"> <li>➤ I can combine ingredients to make my own recipe</li> </ul>
<b>Evaluating processes and products</b>		
<ul style="list-style-type: none"> <li>➤ I can explain my own knowledge and understanding of my product, and ask appropriate questions of others.</li> <li>➤ I can adapt work where necessary.</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can look at existing products and explain what I like and dislike about products and why.</li> <li>➤ I can say what I like and do not like about items I have made, and I can attempt to say why</li> <li>➤ I can discuss how well my product works in relation to the purpose (design criteria).</li> </ul>	<ul style="list-style-type: none"> <li>➤ I can look at a range of existing products explain what makes the product useful or not</li> <li>➤ I can evaluate my products as they are developed, identifying strengths and possible changes I might make.</li> <li>➤ I can talk about my ideas, saying what I like and dislike about them.</li> <li>➤ I can talk about changes made during the making process</li> <li>➤ I can discuss how closely my finished products meet their design criteria</li> </ul>

Independence  
Resilience  
Brain Power  
Creativity

"WITH GOD WE LEARN TO LOVE AND LOVE TO LEARN."