

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
Design a product		
<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"> ➤ I can talk about other products ➤ I can talk about a plan for a construction ➤ I can talk about the purpose for my construction 	<ul style="list-style-type: none"> ➤ I can think about products I know to help me generate ideas ➤ I can research some products linked to my design criteria ➤ I can plan and talk about my ideas ➤ I can draw a plan including some ideas for the materials to use ➤ I can talk about the reasons and thinking behind my choices ➤ I can think about who my product is for 	<ul style="list-style-type: none"> ➤ I can generate ideas by drawing on their own and other people's experiences of products ➤ I can independently research ideas linked to my design criteria ➤ I can select pictures to help develop ideas ➤ I can use drawings to record my ideas as they are developed ➤ I can add notes to drawings to help explanations ➤ I can select an appropriate technique explaining First.....Next.....Last.... ➤ I can discuss my design ideas with my peers and think about improvements ➤ I can identify a purpose for what I intend to design and make.

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

<ul style="list-style-type: none"> ➤ I can eat a healthy range of foodstuffs and understand the need for variety in food. 	<ul style="list-style-type: none"> ➤ 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. 	<ul style="list-style-type: none"> ➤ 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 ➤ I can combine ingredients to make my own recipe
--	--	--

Evaluating processes and products

- I can explain my own knowledge and understanding of my product, and ask appropriate questions of others.
- I can adapt work where necessary.

- I can look at existing products and explain what I like and dislike about products and why.
- I can say what I like and do not like about items I have made, and I can attempt to say why
- I can discuss how well my product works in relation to the purpose (design criteria).

- I can look at a range of existing products explain what makes the product useful or not
- I can evaluate my products as they are developed, identifying strengths and possible changes I might make.
- I can talk about my ideas, saying what I like and dislike about them.
- I can talk about changes made during the making process
- I can discuss how closely my finished products meet their design criteria