

DT Skills Progression

	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Cooking and nutrition	<ul style="list-style-type: none"> ✓ I know how to use a range of tools competently, safely, and confidently. Suggested tools: pencils for drawing and writing, paintbrushes, scissors, knives, forks, and spoon 	<ul style="list-style-type: none"> ✓ I know where food comes from. ✓ I know the different groups on an 'eatwell' plate. ✓ I know that everyone should eat at least 5 portions of fruit and veg a day. ✓ I know how to use the principles of a healthy and varied diet to prepare dishes. ✓ I know how to evaluate a dish based on its tastes & texture. ✓ I know people like and dislike different food because of their taste and texture. ✓ I know basic hygiene rules for preparing food. 	<ul style="list-style-type: none"> ✓ I know the principles of a healthy and varied diet. ✓ I know how to prepare and cook a variety of predominantly savoury dishes. ✓ I know how to use a range of cooking techniques. 	<ul style="list-style-type: none"> ✓ I know what seasonality is. ✓ I know where and how a variety of ingredients are grown, reared, caught and processed.
Mechanisms		<ul style="list-style-type: none"> ✓ I know how to use axels and wheels to make my product move. ✓ I know how to use levers and sliders to make my product move. 	<ul style="list-style-type: none"> ✓ I know how to use linkages to make my product move. 	<ul style="list-style-type: none"> ✓ I know the different types of lever and how they work. ✓ I know how to adjust my lever to make my product move effectively. ✓ I know how to make wheels and axels move efficiently.
Textiles		<ul style="list-style-type: none"> ✓ I know how to shape and cut textiles. ✓ I know how to join textiles. ✓ I know how to finish my textile product. ✓ I know how to use a template to cut material. ✓ I know how to make my textile structure strong and stable. 	<ul style="list-style-type: none"> ✓ I know how to select from and use a wide range of textile materials. ✓ I know how to securely join two pieces of fabric together. ✓ I know how to use pattern and seam allowances. 	
Structures	<ul style="list-style-type: none"> ✓ build simple models (buildings with rooves/ towers) 	<ul style="list-style-type: none"> ✓ I know how to build a strong structure. ✓ I know how to make my structure stronger, stiffer and more stable. 	<ul style="list-style-type: none"> ✓ I know how to strengthen a structure. ✓ I know how to stiffen and reinforce a structure. 	<ul style="list-style-type: none"> ✓ I know how to strengthen a more complex structure. ✓ I know how to stiffen and reinforce a more complex structure.

Electrical systems			<ul style="list-style-type: none"> ✓ I know how to use a circuit to power my product. ✓ I know how to use a switch to turn my product on and off. ✓ I know how to use a bulb to light my product. 	<ul style="list-style-type: none"> ✓ I know how to use a circuit to power my product. ✓ I know how to use a switch to turn my product on and off. ✓ I know how to use a motor to power my product.
Programming			<ul style="list-style-type: none"> ✓ I know how to program and control my product using a Microbit. 	<ul style="list-style-type: none"> ✓ I know how to program, monitor and control my product using a Microbit.
Cutting and shaping	<ul style="list-style-type: none"> ✓ I know how to use scissor skills 	<ul style="list-style-type: none"> ✓ I know how to use a template (a shaped piece of rigid material used as an outline for cutting out) to cut out my material accurately. ✓ I know how to use scissors for cutting accurately. ✓ I know how to use saws for cutting when supervised. ✓ I know how to chop, grate and peel ingredients safely with supervision. 	<ul style="list-style-type: none"> ✓ I know how to cut and shape my product using a craft knife. ✓ I know how to use knives for chopping safely and independently. ✓ I know how to use a pattern piece to accurately cut my material. ✓ I know how to use different stitches to join materials. ✓ I know how to add a zip to join my material. 	<ul style="list-style-type: none"> ✓ I know which kitchen equipment to most effectively prepare my food before cooking. ✓ I know how to use a saw for cutting safely, effectively and independently.
Joining	<ul style="list-style-type: none"> ✓ I know how to join items with tape and glue ✓ I know how to join with more complex options 	<ul style="list-style-type: none"> ✓ I know how to join using split pins. ✓ I know how to use a needle and thread to join material. ✓ I know how to attach cardboard wheels to dowel axels. ✓ I know how to join corners using card triangles. ✓ I know how to use a glue gun safely for joining wood when supervised. 	<ul style="list-style-type: none"> ✓ I know how to use a glue gun safely for joining independently. ✓ I know that triangular card makes the joins in my structure stronger. ✓ I know how to join material to wood using pins or staples. ✓ I know how to join linkages using split-pins. 	<ul style="list-style-type: none"> ✓ I know how to use cane joiners. ✓ I know how to tie knots that will join my product securely. ✓ I know how to join a lever within a product so that it moves efficiently and effectively.
Finishing		<ul style="list-style-type: none"> ✓ I know that my product is not finished until it is decorated. ✓ I know that I need to think about my audience when I am finishing my product. 	<ul style="list-style-type: none"> ✓ I know that I need to finish my product neatly. ✓ I know that I need to finish my product in line with the design criteria. ✓ I know that I need to finish my product in line with my audiences' ideas. 	<ul style="list-style-type: none"> ✓ I know how I would finish my product if I had sufficient time, resources and cost. ✓ I know how to adjust the finish of my product based on time, resources and cost.