DESIGN & TECHNOLOGY CURRICULUM MAP 2022 - 2023

Hawes Side Academy
豪赛德小学。

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS	**Structures** Safely use and explore a range of tools and materials Create structures using junk modelling	**Card making** Use templates Use a range of different materials Fold card	**Food Technology** Begin to understand some of the tools, techniques and processes involved in food preparation Basic hygiene awareness	**Structures** Create collaboratively, share ideas, resources and skills	**Mechanisms** Attach wheels to a vehicle	**Share creations** Share creations and explain the processes they have used
Year 1	**Structures** Build simple structures	**Card making** Fold, tear, roll and cup paper and card **ICT** Input random control instructions - unplanned outcome	**Textiles** Cut out shapes from a range of fabrics	**Structures** Build simple structures	**Mechanisms** Wheels, axles, levers and sliders	**Food Technology** Identify the source of common foods Identify main food groups
Year 2	**Structures** Improve structures by making them stronger, stiffer and more stable	**Card making** Create simple hinges and pop-ups **ICT** Input a sequence of instructions-planned outcome	**Textiles** Join fabrics Cut, measure form and shape materials to fix or repair something.	**Structures** Improve structures by making them stronger, stiffer and more stable.	**Mechanisms** Attach features to a vehicle Create and use wheels and axles, levers and sliders	**Food Technology** Explain where the food they eat comes from Cut, peel, grate and chop a range of ingredients Recognise the need for a variety of foods in a diet
Year 3	**Structures** Measure and mark wood/dowel Create a shell or frame structure using diagonal struts to strengthen	**Card making** Cut slots in card and create nets **ICT** Evaluate their own programme, refine and improve it	**Textiles** Create a simple pattern for a design Join fabrics using a running stitch	**Structures** Compare and contrast great bridge designs	**Mechanisms** Create and use simple levers and linkages	**Food Technology** Describe what a balanced diet is Combine a variety of ingredients
Year 4	**Structures**	**Card Making**	**Textiles**	**Structures**	**Mechanisms**	**Food Technology**

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	Prototype and build frames and shell structures	Use more complex pop-ups Cut internal shapes **ICT** Create a solution to a problem using control output device that has a sequence of events that activate it	Explain how fashions and fabrics have changed over time and how this has affected fashions Use a simple pattern to create a life-sized item of clothing	Prototype and build frames and shell structures Describe how a product could be made better, stronger or more sustainable	Use pulleys, levers and linkages in their products **Electricity** Build models incorporating motors	Make healthy eating choices and explain why Explain processes foods go through Measure & weigh ingredients
Year 5	**Structures** Build a framework using a range of materials to support mechanisms	**Card Making** Combine materials- temporary or fixed joints **ICT** Monitor and control more than one output, in response to changes	**Textiles** Create a 3-D product- range of materials and sewing techniques	**Structures** Build a framework using a range of materials to support mechanisms **Electricity** Build models incorporating switches to turn on and off	**Mechanisms** Use cams or gears in their products	**Food Technology** Combine food ingredients Evaluate meals Explain why times of year particular foods are in season
Year 6	**Structures** Select the most appropriate materials and frameworks for different structures	**Card Making** Combine materials with moving joints **ICT** Develop, try out and refine sequences of instructions to effectively monitor, measure and control events	**Textiles** Combine fabrics to create more useful properties and make a product of high quality	**Structures** Select the most appropriate materials and frameworks for different structures **Electricity** Design using most appropriate electrical systems	**Mechanisms** Select the most appropriate mechanical system for a particular purpose	**Food Technology** Plan how they can have a healthy/affordable diet Explain how ingredients were grown, reared, caught and processed