

DESIGN TECHNOLOGY

Design and technology prepares children at Kirkby Malham Primary School to take part in the development of tomorrow's rapidly changing world. The subject encourages children to become autonomous and creative problem-solvers, both as individuals and as part of a team. It enables them to identify needs and opportunities and to respond by developing ideas, and eventually making products and systems. Through the study of design and technology they combine practical skills with an understanding of aesthetic, social and environmental issues, as well as of functions and industrial practices. This allows them to reflect on and evaluate present and past design and technology, its uses and its impacts. Design and technology helps all children to become discriminating and informed consumers and potential innovators. Children will also learn to understand and apply the principles of nutrition and learn how to cook.



	AUTUMN	SPRING	SUMMER
YEAR A CLASS 1	Structures – strength and stability	Slider mechanisms	Solid structure
YEAR A CLASS 2	Paper circuits	Structures – shell/frame	App control
YEAR A CLASS 3	Frame Structures	Pneumatics	Arch structures
YEAR B CLASS 1	Slider mechanism - object	Wheels and Axles	Lever mechanisms
YEAR B CLASS 2	Food-soup and dips	Pneumatics	Levers
YEAR B CLASS 3	Pulleys and gears	Cams	Electronic motors
YEAR C CLASS 1	Portable snack	Textiles	Frame Structure
YEAR C CLASS 2	Sliders	Wheels and Axles	Portable snacks