



Learning & growing together,  
taking every opportunity.

ACHIEVE · RESPECT · ADVENTURE

# Design and Technology

At Newton Popleford pupils are encouraged to use creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts. Our children will be taught Design and Technology in a way that ensures progression of skills, and follows a sequence to build on previous learning. They will acquire a broad range of subject knowledge making links where possible to other areas of the curriculum. Pupils learn how to take risks, becoming resourceful, innovative and enterprising. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. At Newton Popleford, we follow a broad and balanced Design and Technology curriculum that builds on previous learning and provides both support and challenge for learners. Using the Kapow scheme of work we have carefully selected units to ensure gradual progression towards the National curriculum end of key stage attainment targets and to cover all of the five strands shown below in enough detail.

Design	Make	Evaluate	Technical Knowledge	Cooking and Nutrition
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Through the scheme, pupils respond to design briefs and scenarios that require consideration of the needs of others, developing their skills in the six key areas. Each of the key areas follows the design process (design, make and evaluate) and has a particular theme and focus from the technical knowledge or cooking and nutrition section of the curriculum. The Kapow Primary scheme is a spiral curriculum, with key areas revisited again and again with increasing complexity, allowing pupils to revisit and build on their previous learning. Lessons incorporate a range of teaching strategies from independent tasks, paired and group work including practical hands-on, computer-based and inventive tasks. This variety means that lessons are engaging and appeal to those with a variety of learning styles. Differentiated guidance is available for every lesson to ensure that lessons can be accessed by all pupils and opportunities to stretch pupils' learning are available when required.

Knowledge organisers for each unit support pupils in building a foundation of factual knowledge by encouraging recall of key facts and vocabulary. Strong subject knowledge is vital for staff to be able to deliver a highly effective and robust Design and technology curriculum. Each unit of lessons includes multiple teacher videos to develop subject knowledge and support ongoing CPD ensuring that teachers feel supported to deliver lessons of a high standard that ensure pupil progression.

Progress in Design and Technology is demonstrated through regularly reviewing and scrutinising children's work, in accordance with our Design and Technology assessment policy to ensure that progression of skills is taking place. Progress will be shown through outcomes and through the important record of the process leading to them. All classes will have a scheduled Design and Technology lesson each week every other half term. Children's work and pictures of their work will be stored in a D&T exercise book for reference and assessment.

