



PJS DT Curriculum



Intent:

At Perryfields Junior School, in conjunction with the aims of the National Curriculum, our Design and Technology teaching ensures that it:

- Deepens their understanding further through an ambitious curriculum that has clear structure and sequence in how knowledge and skills build for future learning
- Inspire pupils to think innovatively and develop creative understanding
- Provides opportunities to apply new and existing skills to a range of challenges
- Encourages children to develop their knowledge of technology
- Develops their knowledge and understanding of technological processes, products and manufacturing
- Discusses moral issues related to materials and sustainability in order to ensure that pupils have the cultural capital to be successful and responsible citizens.
- Provides opportunities to practise a wide range of skills through a progressive and ambitious curriculum
- Encourages children to take independent risks and experiment with technology choices
- Ensures children demonstrate an enthusiasm for technology
- Provides children with a broad understanding of different types of technology and appropriate subject specific vocabulary
- Allows children achieve more through successful differentiation within lessons to support and challenge individuals
- Develops pupil's cultural capital through detailed planning
- Enables children to give a verbal or written reflection of their work and the work of others
- Children have a broad understanding of food technology and healthy eating-links to RSHE
- Celebrates a growth mindset approach to technology

Implementation:

- The quality of planning offers meaningful cross-curricular links to cement their learning (e.g. Year 5 Forces in Science- DT Cam toys, Year 6- Fairtrade Geography- Banana Bread)
- DT lessons follow a clear 6-part lesson structure which enables pupils to deepen knowledge and skills
- High quality teaching and modelling to inspire children

- Planning/ enrichment days allow opportunities for children to experiment and e.g independent projects in year 5 and 6 and STEM days
- Progressive planning ensures children build upon skills and make clear progress
- Planning includes design and technology vocabulary
- High quality questioning allows children to deepen understanding
- Evaluation opportunities at the end of lessons/units allow pupils to be reflective and create critical evaluations of their work and others
- The Do Now provides opportunities to revisit prior knowledge in DT and other subjects
- Allows children to make independent choices which have valuable meaning to prepare them for the future e.g links to healthy/ seasonal eating- Food technology
- Outlined architect study to build cultural capital in children
- Promotes creativity through monthly competitions, technology days, homework, displaying work and independent projects
- Celebrating growth mindset approach through planning/ displays
- Planning involves teachers creating engaging lessons, involving high-quality resources to aid understanding of conceptual knowledge
- High quality AFL used in all lessons to support and challenge pupil's knowledge and understanding
- Access to CPD opportunities for staff to deepen subject knowledge

Impact:

- Most children **will** achieve age related expectations in design technology at the end of the academic year
- Children have developed a range of technology skills and knowledge
- Children have a strong enthusiasm for technology across the school
- Children have been challenged through a range of units
- Many children will retain knowledge and skills to apply to further units e.g independent projects- knowledge of techniques and architects
- Children will be able to choose appropriate materials or techniques for a given task
- Children are able to show empathy and apply their understanding of moral issues into their work