

Barnfields Primary School: Design and Technology

Subject Leader Curriculum Intent, Implementation and Impact Overview							
Subject Quest: Design and make products that solve real and relevant problems within a variety of contexts for the express purpose of communicating product design intent and constructability. The Three Core Concepts at Barnfields							
Intent	Supportin	g Research	Implement	ation	Impact		
At Barnfields Primary School children are taught to select and use appropriate tools safely and effectively to make a product.	around them. DA that 'Ofsted has a to play in making leaders see the ir skill and attribute and build opport their school curri Design and Technol	ers the s to engage de world. earn how tems are nufactured, how and to make variety of ng digital improve the world TA (2019) state an important role s sure that school mportance of this e development unities for this into culum offer'. ology is purposeful; s to satisfy a human TA define this as	Our Design and Technology curriculur underpinned by the National Curricul opportunities for powerful knowledge school drivers of ' Relevance and Amt At Barnfields, Design and Technology terminology rather than abbreviated children view the subject with all that Our bespoke Barnfields offer will ensu experience and have highly stimulatin aspects of the Design and Technology National Curriculum. This coverage w about the five aspects of Design Tech food and nutrition, mechanisms, stru The children are encouraged to see th Lesson sequences ensure that knowle progressively as the children transitio Staff have an agreed understanding of use the Design Technology Road Map agreed MTP to aid consistency in deli	lum. It also serves to provide e to be acquired through the bition .' T is to be referred to in its full to 'DT.' This is to ensure that t it entails. ure that our children will ng opportunities to learn all y curriculum as outlined in the vill see our children learning unology. These are textiles, ctures and electrical systems. hemselves as designers. edge and skills are taught on year-on-year. of the Subject Rationale and b, Progression Grids and	Children will achieve age related expectations in Design and Technology. Children will have experienced all aspects of the Design and Technology curriculum as outlined in the National Curriculum. Key skills and knowledge will be developed across a series of well-planned and sequenced lessons. Children will develop growing independence when using a wide range of tools and equipment.		

Subject Quests/Core Concepts:

At Barnfields Primary School, we understand that all subjects seek to do something – or rather the people engaging in them are seeking to do something, either collectively or individually. Once we understand the intended nature of each subject, we can then consider at greater length the knowledge that is to be imparted. These 'quests' and 'Core Concepts at Barnfields' enable us to engage in informed discussions and decisions around curriculum planning and teaching in the classroom.



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In all areas of Design and Technology	Designing and making satisfying	The bespoke characteristics of our Design and Technology	The children will develop
the children are encouraged to	products adds to the children's sense	curriculum ensures that our children access teaching in a subject	a range of investigative
consider the effectiveness of their	of well-being and agency	that is true to its discipline: they acquire a practical form of	skills.
designs and requirements of the	Csikzentmihhalyi (1990) cites it as	knowledge, a distinct form of designing, and conduct evaluations	
product. Every child will have the	being in a state of 'flow.' The process	of existing products and their own work.	The children will develop
opportunity to learn and extend their	of designing, making and evaluating		a range of designing
understanding and experience in a	promotes the satisfaction of having	The Design Technology curriculum at Barnfields well-structured	skills.
wide a variety of situations.	solved a problem, arriving at new	and follows a set teaching sequence format:	
	ways of tackling problems, resilience		The children will
	and its purposeful and usage by	 Investigative and Evaluative Activities (IEAs) 	experience a range of
	others.	 Focused Task (FTs) 	designers and design
		 Design, Make and Evaluate Assignment (DMEA) 	making skills.
		They will have design and make assignments using a range of materials, including food items that can be put together to make products.	The children will have the ability to evaluate their designs and reflect upon their work.
		All of these learning opportunities, knowledge and skills support	
		the wider curriculum too, as well as embodying the school drivers	
		and what our vision for a Barnfields child will look like.	
The children are encouraged to	Gill Hope (Mastering Primary Design	Children at Barnfields will learn that designing is always (and	Children will draw upon
become innovators and risk-takers.	and Technology) believes that Design	should be) purposeful. Everything around us nowadays has been	their problem-solving
High-quality design and technology	and Technology provides real-life	processed or manufactured to fulfil desires, needs and wants.	skills to support both
education makes an essential	contexts. It is essential for all		practical and intellectual
contribution to the creativity, culture,	children to learn about technology	Children learn to be mindful and aware of our impact upon the	challenges.
wealth and well-being of the nation.	and how to design technological	environment and our world. Teachers at Barnfields encourage our	
	solutions to the needs of all peoples,	children to be problem-solvers, critical thinkers and innovators.	
	understanding our dependence on	They inspire the children to look for ways to solve the challenges	
	the health of the planet and our	and demands of their futures, and the future of the world.	
	interrelatedness with all life that		
	shares earth with us.		

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