

DT at Meadows First School (Vision and Ethos)

The 5 principles of our curriculum are: **Unique Child, Positive Relationships, Key Knowledge & Skills, Love of Learning, Global Citizens** We embed these 5 principles within our **DT Curriculum** as follows:

Our **theme- based, literature rich** curriculum embeds deep learning, ignites curiosity and broadens our children's awareness of cultural capital in DT.

DT is linked to the theme/topic studied.

STEM club and STEM week are enjoyable.

We want children to develop a thirst for learning by using memorable and purposeful learning experiences.

We want our children to use the vibrancy of our great country, to learn from other cultures, respect diversity, and appreciate what they have. We achieve this by providing a strong SMSC curriculum, with British Values and our core values placed at the heart of everything we do. This feeds into the DT curriculum- e.g. Our recent STEM club gave some children a chance to look at some amazing buildings and structures.

We want children to feel empowered to make a difference and affect changes as **global citizens** to their community and the world in which they live.

We equip children with the DT **skills, vocabulary and knowledge** necessary for the next stage of their learning journey. Knowledge and skills are sequential and built upon to develop progress in DT across the school. Vocabulary development plays a vital role in this. We want children to be able to use DT as a way to communicate language skillfully. For example, they enjoy talking about their DT work and ideas.

STEM club and STEM week are enjoyable.

Love of Learning

key knowledge & skills



Global citizens

At Meadows First School we can all become architects, graphic designers, chefs, electricians, carpenters and more.

We develop the holistic child, acknowledging their unique needs and ensuring all children are able to access the DT curriculum. EG: we support all of our children with a range of equipment and support that caters for all needs. All of our children will have their DT work proudly displayed around the school and each year the whole school comes together for our STEM project.

Children use meadows Mouse to develop lifelong learning habits to be;

Enthusiastic: to explore a range of products, share designs, enjoy the making process.

Determined: We encourage a growth mindset, with high expectations, so children are proud to share and evaluate their DT work.

Focused: We want them to have no ceiling to their achievements and to grow up to be architects, graphic designers, chefs, electricians, carpenters and more.

Organised: We aim for our children to be independent and confident to use equipment safely as well as selecting the right equipment for the right piece of work.

Positive Relationships

Unique child

The DT curriculum at Meadows supports the development of positive, respectful relationships. We encourage children to work together in DT, supporting and encouraging each other, as well as reflecting on and critically evaluating each other's work.

Life in 21st Century Britain can be busy and stressful and by allowing children time to be immersed in DT and explore the richness of the world around them can aid wellbeing and reduce stress.

We know how to keep ourselves safe in DT, using equipment carefully and safely. We are proud of what we can achieve!

Long Term Subject overview DT

Y N		Autumn 1- Marvellous Me		Autumn 2- Celebrations		Spring 1- Machines!		Spr 2Wonderful World People		Sum 1 wonderful World Nature		Sum 2- Fantasy Fun	
	knowledge	Make (Diwali) Threading weaving joining		Cooking & Nutrition apple pie		Design mechanisms cogs, gears		Evaluate junk modelling		Make textile weaving		Make Explore	
Y R		Marvellous Me		Marvellous me 2		Around the world & beyond		Around the world		Sum 2 - All creatures great & small			
	knowledge	Make Diva Lamps		Cooking & Nutrition Pumpkin soup		Design Dragons		Make Lunar Buggy		Evaluate junk modelling			
Y 1		Aut 1 Making SENSE of our world			Aut 2 Memory box			Spring 1 Our Town, Bromsgrove		Spring 2 Animal Allsorts			
	knowledge	Cooking & Nutrition Healthy Breakfasts			Evaluate Toys			Design Houses					
		Design	Make		Technical Knowledge mechanisms [eg, levers, sliders]			Make (house) cutting, shaping, joining and finishing]					
		Evaluate											
Y 2		Autumn 2 Keeping healthy					Spring 2 Castles				Summer 2 – The great Fire of London		
	knowledge				Cooking & Nutrition healthy sandwich		Make joining finishing textiles				Technical Knowledge use mechanisms axles/ wheels		
					Design		Make		Design Textiles- binka bookmark		Make (fire engine) cutting, shaping, joining finishing		
					Evaluate		Starting point look at Bayeux tapestry				Evaluate		
Y 3		Autumn 1 - Stone Age to Iron Age					Spring 1- Forces and Magnets & Light				Sum 1 - Life of Plants & Romans		
	knowledge	Cooking & Nutrition salad					Technical Knowledge (crumble robotics – night light electrical systems strengthen & reinforce structures				Technical Knowledge (to build on from last term) Technical Knowledge (building the light box from crumble robotics) apply their understanding of how to strengthen, stiffen and reinforce more complex structures		
		Make cutting, slicing, chopping accurately					Design computer-aided design				Make Measure, mark out, Design generate, develop		
		Evaluate investigate and analyse a range of existing products					Make night light				Evaluate		
							Evaluate						
Y 4		Aut 2 -Switch it Off					Spring 1 - The Amazing Amazon				Summer 2 - Where does my Food go?		
	knowledge	Cooking & Nutrition Making Bread					Design (stuffed Textile animals)				Design (Kite)		
		Make wider range of ingredients, aesthetic qualities					Make Toy- Measure, tape or pin, cut and join fabric with some accuracy.				Technical Knowledge strengthen, more complex structures		
		Evaluate investigate and analyse a range of existing breads									Make Kite- wider range of tools and equipment to perform		
							Evaluate				Evaluate investigate existing products world (eg look at flight inventions)		



Meadows First School Knowledge Organiser

SUBJECT DT

TERM Autumn 1 YEAR GROUP 1
FOCUS/ THEME: Healthy Breakfast (using fruit)
(Science senses- taste, Geog- Where food comes from?)

Techniques /Skills:

NC:

Select from and use a wide range of materials and components, including construction materials, textiles **and ingredients**, according to their characteristics.

Skills:

- Select and use appropriate **fruit** and vegetables, processes and tools.
- Use basic food handling, hygienic practices and personal hygiene.
- Draw on their own experience to help generate ideas.
- Suggest ideas and explain what they are going to do.
- Identify a target group for what they intend to design and make.

Evaluation

Key Vocabulary

Word/ term	definition
Salad	A cold dish of vegetables of fruit.
Healthy	Our body needs to be in good condition.
Skin	Outer protective layer of fruit (and vegetables).
Evaluation	Do you like how it looks, smells, tastes and feels?
Ingredients	The food that is chosen to make a meal/dish.
Hygienic	Means to be clean. You must wash your hands and not touch your face.

Key People / information

Resources: Books, internet sites and places to visit

We will invite Waitrose to visit and provide ingredients to allow us to make a healthy breakfast or Fruit Salad. The children will design, make (chop, peel and prepare) and taste (evaluate) their meal. Fruits and ingredients will be chosen according to seasonal production and availability. Granola, yoghurt, jam may also be used. Children will be shown the cutting edge of a knife and the grip needed.

Recap and Retrieval:

Why do we need to wash our hands before cooking? (to get rid of the germs)
 Why are vegetables good for our body? (keep us healthy/ they give us vitamins/fibre)

Web sites and books:

My World Kitchen allows the children to see other children making dishes from around the world: <https://www.bbc.co.uk/iplayer/episodes/b09r7th9/my-world-kitchen>

I Can Cook. How to make fresh fruit flapjack
https://www.youtube.com/watch?v=W7t_KFruKlw

Maddie do you know? Plants and where they come from:
<https://www.bbc.co.uk/iplayer/episode/m000ttxy/maddie-the-series-1-4-the-plants-we-eat>



