Ellingham CE VC & Woodton Primary Federation

DT Curriculum Long Term Plan (2 Year Rolling Programme)

Odd Year		Autumn 2		Spring 2		Summer 2
Sparrows (Reception)		• Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used. • Make use of props and materials when role playing characters in narratives and stories.				
Skylarks & Willows (Years 1 & 2)	**Autumn 1**	**What does healthy mean?** Mini tortilla quiches **Structures (Space Week)** ***Problem:*** How can a space rocket be supported on the launch pad? ***Designer/Inventor:*** Gustave Eiffel	**Spring 1**	**What's in your food?** Proper pizza with yoghurt dough **Textiles** ***Problem:*** How can you protect yourself from the sun? ***Designer:*** Coco Chanel	**Summer 1**	**Can Street Foods Save us?** Burritos ***Chef:*** Andi Oliver **Mechanisms** ***Problem:*** How can you move a large animal cage?
Swifts & Sycamores (Years 3 & 4)		**What does healthy mean?** Pitta bites & hummus ***Chef:*** Paul Hollywood **Mechanical (Space Week)** ***Problem:*** How can you make moving parts for a satellite?		**What's in your food?** Soup **Structures** ***Problem:*** How can an animal enclosure be designed to suit the needs of the animal? ***Designer:*** Zoo enclosure designers- Base Structures & Colchester Zoo website		**Can Street Foods Save us?** Samosas (oven cooked) **Electrical systems** ***Problem:*** Can you make an alarm system? ***Designer/Inventor:*** Maria van Brittan Brown
Swallows & Oaks (Years 5 & 6)		**What's in your food?** Chickpea curry ***Chef:*** Jamie Oliver **Mechanical Systems (Space Week)** ***Problem:*** How can a lunar module safely land on the moon?		**What does healthy mean?** Quesadillas **Mechanisms** ***Problem:*** How can water be moved? ***Designer/Inventor:*** Egyptian shadufs & Archimedes Screw		**Can Street Foods Save us?** Pot noodle **Textiles** ***Problem:*** How can an end of school memento be made? ***Designer:*** Ozwald Boateng

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Even Year		Autumn 2		Spring 2		Summer 2
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Skylarks & Willows (Years 1 & 2)	**Autumn 1**	**Food senses - Vegetables** Pitta Pockets **Textiles (Space Week)** ***Problem:*** Can you design a space suit? ***Designer/Inventor:*** Amy Ross	**Spring 1**	**How does food affect us?** Popcorn including savoury seasoning **Understanding materials** ***Problem:*** How can you keep food warm? ***Designer/Inventor:*** James Dewar (Thermos)	**Summer 1**	**Why are our diets different?** Smorrebrod (open sandwich) ***Chef:*** Nadiya Hussain **Mechanisms** ***Problem:*** How can you travel through the rainforest?
Swifts & Sycamores (Years 3 & 4)		**Food senses - Vegetables** Breaded vegetables **Mechanical structures** ***Problem:*** How could you transport a rocket to the launch pad? ***Designer/Inventor:*** Sara Pastor (International Habitation Module)		**How does food affect us?** Chips (oven baked) ***Chef:*** Monica Galetti **Textiles** ***Problem:*** How could you design an emergency shelter?		**Why are our diets different?** Summer rolls & dipping sauce **Mechanical Systems** ***Problem:*** How could you design a toy using a mechanical system? ***Designer/Inventor:*** Richard T. James and Betty James (slinky)
Swallows & Oaks (Years 5 & 6)		**Food senses - Vegetables** Rainbow wraps **Electrical systems (Space Week)** ***Problem:*** How can you design a moon lander? (Use Tinkercad) ***Designer/Inventor:*** Olga Gonzalez-Sanabria		**How does food affect us?** Stuffed peppers ***Chef:*** Ottolenghi **Structures** ***Problem:*** How can a building be earthquake proof? ***Designer/Inventor:*** Japanese skyscraper architects		**Why are our diets different?** Bombay Potatoes **Structures** ***Problem:*** How to travel across water? ***Designer/Inventor:*** Maria Beasley