ENVIRONMENTAL EDUCATION CURRICULUM OVERVIEW AND CROSS-CURRICULAR LINKS

Year	CURRICULUM OVERVIEW						CROSS-CURRICULAR LINKS				
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**	**Nature**	**Energy**	**Food**	**Waste**	**Water**
F1	Exploring the EYFS garden and the polytunnel.	Know how to be safe in the gardens and can tell our garden rules to a friend.	Exploring to find minibeasts and identify them.	Watering plants with support, knowing that plants need water to live.	Planting bulbs and seeds in the polytunnel.	Harvesting the produce in the polytunnel with support and know what a plant needs to grow.	Understanding the World Exploring the EYFS garden, orchard and polytunnel and looking for minibeasts. Literacy Explore different books including The Tiny Seed, The Very Hungry Caterpillar & Jasper's Beanstalk	Understanding the World Learn about the importance of saving electricity and how we can do it.	Understanding the World Picking apples from the orchard and making a Gruffalo crumble to eat together. Sorting foods into healthy and unhealthy, linking to The Very Hungry Caterpillar.	Understanding the World Introduce recycling and sorting our rubbish into general waste and recycling.	Understanding the World Explore how rubbish gets into the oceans. Using, recycling and conserving water during outdoor continuous provision. Learning how to water plants with support.
F2	Learning appropriate and careful behaviour in the garden area, knowing their effect on the plants and world around them.	Learning what a trowel is and how it is used. They will learn how to use a trowel correctly and safely to plant their own plants seeds.	Recalling what plants need to grow and will work with Tracey and their teachers to plant bulbs and continue to look after them as they grow.	Learning watering skills, being able to water plants independently, knowing what is an appropriate amount so not to over or under water the plants.	Learning about various minibeasts and how they are necessary to help pollinate plants. To be able to identify different minibeasts in the school grounds.	Harvesting the foods they have grown throughout the year. They will be able to pick the foods and know how to prepare them so they are suitable to eat.	Understanding the World Learning about different animal lifecycles. Identifying and discussing seasonal changes throughout the year.	Understanding the World Thinking about how we can save electricity and creating posters to be displayed around school.	Understanding the World Harvesting food from the polytunnel with support, cleaning it and delivering it to the school kitchens.	Understanding the World Learning about pollution in the oceans, linking to the story 'Somebody Swallowed Stanley' and the effect this rubbish has on marine wildlife.	Understanding the World Learning to water plants independently, knowing what is too much or too little water. Learning where rain comes from, linking to Adventure Island.
Tree-house	Exploring the Treehouse garden and polytunnel and identify some minibeasts.	Know how to be safe in the garden and help to harvest some foods from the polytunnel with support.	Learning what grows in each season and will learn to water independently.	Learning how to use some tools safely, including trowels, and will plant bulbs and seeds with support.	Learning how to use some tools safely, including forks, and identify differences between weeds and produce.	Harvesting more delicate produce with supervision.	Maths Children will identify patterns in the environment & create a repetitive pattern with natural objects. Understanding the World Grow seeds & plants and look at changes over time and conditions for growth and learning about the lifecycle of a tree. Literacy Share a tree poem.	Understanding the World Learn about the importance of saving electricity and how we can do it.	Understanding the World Exploring the polytunnel to harvest food then prepare, cook and eat a soup using the vegetables collected. Discuss the different foods eaten at home and their likes and dislikes of different foods.	Expressive Arts and Design Children will create box models using recycled resources and natural materials.	Understanding the World Explore oceans and identify them on a map. Children will observe and identifying different weather conditions and learn about where rain comes from. Maths Children will collect rain water and measure how much they collect.
1 & 2	Understanding safety procedures in the poly tunnel.	Understanding autumnal vegetables & crops. They will notice autumnal changes.	Understanding the importance of planting at the correct time of year, noticing changes in winter.	Learning the importance of planting at the correct time of year.	Identifying the changes in the natural environment as spring ends and summer begins.	Understanding the importance of planting at the correct time of year.	Science Learning about the lifecycles of plants and animals. Learning about living things and their habitats. Art Children will explore 3D art to create a bird, focussing on the form and texture of a bird. They will use observational art to inform their final piece.	PSHE Children will learn how turning off power sources when not in use is beneficial for the planet and will create posters to promote this around school.	Design and Technology Children will plan and make a fruit salad and discuss possible ingredients, taste test and put together their recipe. Children will make this healthy snack for a family member. RE Celebrating Autumn Harvest and learning about where our food comes.	Science Children will learn about habitats that provide life for animals and plants and how these are affected by litter and pollution.	Science We will embed knowledge of how to grow and care for plants, including watering and will water plants independently in the polytunnel.

3 & 4	Preparing the planters, including removing weeds and checking soil condition, learning what is needed to ensure the plants grow well.	Maintaining the planters and outside area.	Turning the compost and using it to refill the planters ready for planting.	Planting spring bulbs, learning to care for them independently and starting to monitor produce growth in the polytunnel.	Learning about composting and how it can be reused.	Harvesting the produce in the polytunnel, beginning to do this independently, for use in the kitchen.	Science Recognising that living things can be grouped in a variety of ways. They will explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.	Science Identifying common appliances that run on electricity. They will construct a simple series electrical circuit, using cells, wires, bulbs, switches and buzzers.	Design and Technology Children will design, make and evaluate a bread-based product (pizza) with two toppings to enjoy as a healthy snack.	PSHE Children will learn about the things that we should have (our rights) and the things we should do (responsibilities), including looking after the planet.	Geography Children will learn about the water cycle, how and why drinking water is cleaned, flooding, how clouds and rain are formed and the causes and effects of water pollution.
5	Weeding preparing the ground, composting, tending the polytunnel.	Weeding preparing the ground, composting, tending the polytunnel.	Weeding preparing the ground, composting, tending the polytunnel.	Growing herbs indoors and planting bulbs/ seeds as well as weeding, watering and preparing the ground.	Weeding preparing the ground, composting, tending the polytunnel.	Trying the produce grown in planters and polytunnel.	Science The children will explore the life cycles of a mammal. The children will be learning about the climate in rainforests, where they are located and the animals that live in them.	Science The children will look at reversable and irreversible changes and will explore conductors and insulators	Design and Technology The children will design, make and evaluate a Spanish dish for parents to enjoy at our Spanish café, using foods from the polytunnel.	Design and Technology The children will design, make and evaluate a gardening tool belt for children in school to use in gardening lessons using recycled materials.	Geography The children will be learning about the course of a river, how they are formed and flooding.
6	Preparing for the winter ahead. Pruning and selecting herbs/spices from the planters	Planting seeds to grow produce in the classroom, which can be sold or given to the kitchen for use.	Learning about 'Farm to Fork'. Seeds and seedlings preparing for the outdoor planters	Learning how to transfer seeds and seedlings to the outdoors and will tidy and condition the soil.	Maintaining planters feeding, watering and weeding.	Harvesting, consuming and sale of herbs and produce from planters and beds.	Science The children will identify and name the main parts of the human circulatory system and recognise the impact of diet on their bodies. Children will investigate mould growth on bread and mushroom spore dispersal. We specifically explore micro-organisms.	Science The children will learn about electrical circuits, including the symbols that are used in place of pictures and how different metals conduct electricity. They will learn to solve connection problems with a circuit and plan our own experiments around conductivity and learn about renewable energy sources.	Design and Technology Our children will shop for, prepare and cook a range of healthy food items that are sourced from their local area – a meaty (or vegetable alternative) MFL Learning about different types of healthy and unhealthy foods and their Spanish names.	PSHE Children will learn about the things that they should have (their rights) and the things that they should do (our responsibilities), including looking after the planet.	Geography Children will learn to describe and understand how the world is changing with particular attention to the coastal regions and seas of the United Kingdom.