



Area of Learning: Science					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Why am I special?	Why do we celebrate?	Where do animals live?	How do things grow?	How do you get there?	What's it like to live beside the seaside?
Planning					
Mirrors- What makes me 'me'? Self-portraits- from a photograph. Making potions- Halloween Working scientifically- Asking questions (What's inside a pumpkin?) Making observations of the world around me.	Seasonal changes- Autumn in to winter Freezing- Use a cold night to show how water changes Light and dark- Bonfire night/Christmas lights Talk about differences in materials.	Habitats- Showing different habitats ie water/sand and a range of animals to 'sort' Question children on their choices. Materials investigation- 3 Little pigs- What materials are best for an animal's habitat?	Seasonal changes- Talk about weather, climate and seasonal changes. Winter into spring/summer Planting seeds and observing growth Baby animals (Life Cycles)-Chicks	Ramps and pull toys- introducing the idea of push and pull Investigation- Friction Ramps with different materials on Rocket Launch- Linking to space travel. Learn about the Solar System. Compare the natural world in different stories.	Melting- Observations over time/ Ice cube tray 'Breaking them open' Water tray- Floating and sinking with toys and plasticine How can we look after our world – link to Laudato Si
Key Vocabulary					
Hair Eyes (Colours) Body parts Facial features	Light Dark Light source Freezing Cold	Habitat Adapted Hard Soft Strong Flexible	Seeds Leaves Flower Roots Young Adult Grow	Forces Push Pull Rough Smooth Friction	Float Sink Light Heavy Melting Cooling
Key opportunities / experiences					
	Local area Walk (Seasons)	Local area Walk (Habitats) Animal Experience	Local area Walk (Seasons) Farm Visit	Transport trip- Using the train- look at the different terrain	Beach visit