



Growing Strong Roots Science Long Term Plan

Year A 2020-2021 and 2022-2023

	Aut 1	Aut2	Spr 1	Spr2	Sum1	Sum2
Maple	Seasons	Science-Ice investigation-Evil peas	Make their own toys - spinners / cup and ball choosing the correct materials and tools to make them.	Explore the natural world around them, making observations and drawing pictures of animals and plants.-Signs of spring Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.-Grow beans for J and B.	Y1 - Name animals that are carnivores herbivores omnivores	
Rowan	Animals including Humans.	Materials (in 2020 in spring)	Living things and their habitats		Plants	Forces (+Y2 rocks)
Sycamore	Living things and their habitats	Forces-e.g. twisting, stretching, Lighting fires	Forces-moving on different surfaces, ramps	Animals inc. humans needs, diet, exercise, hygiene	Plants-Eden Project	Rocks
Oak	Animals inc Humans - digestive system, teeth, food chains	Sound	Living things and habitats-grouping, classification, environmental threats to animals, life cycles		Forces-gravity, air and water resistance and use of pulleys levers and gears-make links to mountains and mountaineering Y5 only -Evolution and inheritance	
Cherry	Animals inc humans	Evolution and inheritance	Forces		Living things and their habitats.	



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Year B 2021-2022 and 2023-2024

	Aut 1	Aut2	Spr 1	Spr2	Sum1	Sum2
Rowan	Animals inc humans- growing, skeleton	Y2 only-magnets	Use of materials, include recycling		Plants+ environmental issues	Earth and Space Light
Sycamore	Forces- magnets	Use of materials, include recycling	Animals inc humans- growing, skeleton		Light Forces linked to mining	Plants- inc. importance of them and environmental issues
Oak	States of Matter –Materials: properties and changes, inc. use of single use plastics		Electricity Light		Animals incl. humans	Earth and space
Cherry	Light (+ recap of sound)	Electricity	Animals including humans	Materials-properties changes states of matter	Earth and space (revisit)	Living things (yr 6 only)

