Science Curriculum Map

Y1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Which material would be the most suitable to fix a broken umbrella? Materials **Building on**: Early years **Leading to**: Year 2 Autumn 1, 3 Autumn 2, 4 Autumn 1 and 5 Autumn 2. **Seasonal changes-short unit** NB: part of establishment week, start seasonal change display-permanent display of seasonal changes-photos of children/weather/plants/trees	**What is the best material to absorb water?** Materials **Building on**: Early years **Leading to**: Year 2 Autumn 1, 3 Autumn 2, 4 Autumn 1 and 5 Autumn 2. **Seasonal changes-short unit** **Educational visit/Experience**: Helping organise the Forest school coat trolley	**Can I name the parts of the body?** Animals including Humans **Building on**: Early years **Leading to**: Years 2 Summer 1 and 2, 3 spring 1,4 Spring 1, 5 Summer 1 and 6 Summer 2. **Seasonal changes-short unit**	**How can we look after the trees and plants in our playground?** Plants **Building on**: Early years **Leading to**: Years 2 Spring 2, and 3 Spring 2. **Seasonal changes-short unit**	**How can we look after the animals in our playground?** Animals **Building on**: Early years **Leading to**: Years 2 Spring 2, 3 Spring 1,4 Spring 1 and 5 Spring 2 **Seasonal changes-short unit**	**Crest Award- chosen investigations linking to Year 1 units- revisit key knowledge** **Educational visit/Experience**: Crest award **Building on**: all year 1 learning **Rationale**: Consolidation of all Science learning for the year and working towards achieving a Crest award

Y2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	How can the shapes of solid objects be changed? Materials **Building on**: Early years **Leading to**: Years 3 Autumn 2,4 Autumn 2, and 5 Autumn 1 and 2.	**How do bulbs grow?** Plants (Bulbs) **Educational visit/Experience**: Planting bulbs in Victoria Park **Building on**: Year 1 Spring 2 **Leading to**: Years 3 Spring 2 and 5 Spring 2.	**What is a habitat and how does it support the animals and plants that live there?** Living things and their habitats **Building on**: Year 1 Summer 1 **Leading to**: Years 4 Summer 1, 5 Spring 2 and 6 Spring 1. **Educational visit/Experience**: Soanes centre habitats workshop	**How can I make my seeds grow?** Plants **Building on**: Year 1 Spring 2 and Year 2 Autumn 2 **Leading to**: Years 3 Spring 2 and 5 Spring 2.	**How can I keep my body healthy?** Animals including humans **Building on**: Early years, year 1 Spring 1 **Leading to**: Years 3 Spring 1,4 Spring 1, 5 Summer 1 and 6 Summer 2.	

Y3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	How can we classify rocks? Materials-Rocks **Building on**: Early years **Leading to**: **Educational visit/Experience**: Natural history Museum-fossils workshop	**How can I make objects move using magnets?** Materials-Forces and magnet**s** **Building on**: Early years **Leading to**: Year 5 Summer 2	**What would happen if I didn't have a skeleton?** Animals including humans **Building on**: Early years, **Leading to**: Years 4 Spring 1, 5 Summer 1 and 6 Summer 2	**What are the functions of the parts of a flower?** Plants **Building on**: Early years, years 1 and 2 **Leading to**: Year 5 Spring 2 **Educational visit/Experience**: Soanes Centre-wildflowers workshop	**How are shadows formed?** Light **Building on**: Early years **Leading to**: Year 6 Summer 1	**Crest Award-chosen investigations linking to Year 3 units- revisit key knowledge** **Educational visit/Experience**: Crest award **Building on**: year 3 learning **Rationale**: Consolidation of Science learning for the year (with a focus on plants, rocks and fossils and forces) and working towards achieving a Crest award

Y4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

	How are solids, liquids and gases different? Materials-States of matter **Building on**: Early years, years 1, 2 and 3 **Leading to**: Year 5 Autumn 2	**What effect does temperature have on solids?** Materials **Building on**: Early years, years 1, 2 and 3 **Leading to**: Year 5 Autumn 2	**How does my body digest food?** Animals including humans **Building on**: Early years, years 1, 2 and 3 **Leading to**: Years 5 and 6 Living things and habitats lesson **Educational visit/Experience**: Centre of the Cell workshop	**How do you construct a simple series electrical circuit?** Electricity **Building on**: Early years, years 1 and 2 **Leading to**: Year 6 Spring 2	**How can we group living things?** Living things and their habitats **Building on**: Early years, year 2 **Leading to**: Years 5 Spring 2 and 6 Spring 1 **Educational visit/Experience**: Soanes centre-classifying minibeasts workshop	**How are sounds made?** Sound **Building on**: Early years

Y5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Which material would make the best container for food storage? Materials **Building on**: EYFS, Years 1, 2, 3 and 4 :	**What are reversible and irreversible changes?** Materials **Building on**: Years 1, 2, 3 and 4 and year 5 Autumn 1	**What do we know about our solar system?** Earth and space **Educational visit/Experience**: Royal Observatory, Greenwich-Shadows and sundials workshop **Building on**: EYFS	**How do forces affect how things move?** Forces **Building on**: Year 3	**How do living things reproduce?** Living things and their habitats (Life cycles and reproduction) **Building on**: Years 2 and 4 **Leading to**: Year 6 Spring 1	**How do humans change as they develop to old age?** Animals including humans (human changes and puberty) **Building on**: EYFS years 1,2,3 and 4 **Leading to**: Year 6 Autumn 1 and Summer 2

Y6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	How does light travel? Light **Building on**: EYFS, Year 3	**How can I make a burglar alarm?** Electricity **Building on**: Year 4	**What is the human circulatory system?** Animals including humans **Building on**: EYFS years 1,2,3,4 and 5	**How do we classify living things?** Living things and their habitats **Building on**: EYFS, Years 2,4,and 5	**How have living things changed over time?** Evolution and inheritance	**How have living things changed over time?** Evolution and inheritance