

Maple Class Science Plan

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1066 and all that Sound S1 – to be able to identify how sounds are made, associating this with vibration S2 – recognise that vibrations from sounds travel through a medium to the ear S3 - be able to find patterns between the pitch of a sound and features of the object that produced it S4 - find patterns between the volume of a sound and eh strength of the vibrations that produced it S5 – recognise that sounds get fainter as the distance	Arctic Lands Living Things and their habitats LH1 – recognise that living things can be grouped in a variety of ways LH2 – use classification keys to help group, identify and name a variety of living things LH3 – understand that animal adaptations which contribute to making them suited to a specific environment	Tombs, Torches and Timekeepers Electricity E1 – identify common appliances which run on electricity E2 – construct a simple series circuit – identifying and naming cell, wire, bulb, switch and buzzer E3 – use the circuits to create simple devices E4 – draw the circuit as a pictorial representation E5 – understand the dangers of electricity E6 identify circuits which will work/will not	The Iron Man Human systems Skeletal system Circulatory system AH1 – understand that humans and some animals have skeletons and muscles for support, protection and movement AH2 – introduction to the circulatory system AH3 – to understand the functions of the heart, blood vessels and blood	Eye on Africa Plants P1 – understand the life cycles of different plants P2 – understand the function of the main parts of plants P3 – understand the different ways plants reproduce	The Windrush Generation States of Matter SM1 – develop simple descriptions for the states of matter based on knowledge of everyday materials SM2 – group materials according to solid, liquid, gas SM3 – understand that some materials change states when they are heated or cooled SM4 - understand the water cycle and the part played by evaporation and condensation and the impact of

from the source increases	E7 – understand that a switch opens and closes a circuit E8 – recognise some common conductors and insulators		temperature upon evaporation
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Working Scientifically – skills running through each unit
Asking relevant questions, making decisions during different types of scientific enquiry
Setting up simple enquiries taking into account fair testing
Making systematic and careful observations using notes and tables
Taking accurate measurements using standard units
Gathering, recording, classifying and presenting data in a variety of ways
Record findings using scientific language, drawings, diagrams, keys, bar charts, tables and graphs
Use results to draw simple conclusions, make future predictions and identify patterns