

SCOPE AND SEQUENCE

SCIENCE & NATURE STUDY – Year 5			
Topic	Term 1	Term 2	Term 3
Physics	<ul style="list-style-type: none"> • Solids, liquids and gases • The Earth's Atmosphere • Air Pressure • Barometer • Thermometers • Steam Engine • Locomotive • Light • Shadows • Eclipses • Reflection of light • Refraction of light • Lenses and Spectacles • Velocity of Sound and Light 	<ul style="list-style-type: none"> • Musical Instruments • Phonograph • Electricity • The Telegraph • Magnetism • Natural magnets • Electro-magnets • Electric Bells • Telephone • Mariner's Compass • Electric Light • Dynamo • Electric Railways 	
Earth Science	<ul style="list-style-type: none"> • Chalk • Limestone caves • Elements (calcium, oxygen, carbon) • Fossilized shells • Coral Reef 	<ul style="list-style-type: none"> • Coral Reef • Atolls • Wild vs farmed fields • Mountains 	<ul style="list-style-type: none"> • Continental drift • Ocean tides • Rock layers
Animals	<ul style="list-style-type: none"> • Identify and describe 10 birds in nature • Identify and describe 5 animals in nature • Life in underground caves • Coral • Featherstar • Sea anemone 	<ul style="list-style-type: none"> • Identify and describe 10 birds in nature • Identify and describe 5 animals in nature • Cocoa-nut crab • How man and animals differ • Mantle-covered animals (Oyster, mussel, scallop, cockle, razor-fish, limpet, periwinkle, whelk, cowry snail, slug, cuttle-fish, octopus, argonaut, nautilus) 	<ul style="list-style-type: none"> • Identify and describe 10 birds in nature • Identify and describe 5 animals in nature • Creeping worms (parasitic worms, leeches, earthworms and seaworms) • Crustaceans (crabs, prawns, lobsters and barnacles) • Whales, porpoises and narwhals • Snare weavers (spiders, scorpions, mites, ticks)
Plants	<ul style="list-style-type: none"> • Identify and describe 6 wild fruits 	<ul style="list-style-type: none"> • Identify and describe 6 twigs of trees • When plants compete to survive 	<ul style="list-style-type: none"> • Identify and describe 6 wild flowers • Film fern • St Patricks' cabbage • Irish spurge • Heaths
Weather	Seasonal changes: <ul style="list-style-type: none"> • Autumn • Winter 	Seasonal changes: <ul style="list-style-type: none"> • Winter • Spring 	Seasonal changes: <ul style="list-style-type: none"> • Spring • Summer