How did the Eart Evolution (T3)– Volcanoes and Earthqu			L earning Journey
		uakes – Natural disasters (T4)	E ngaging
PRIMARY SCHOOL			A uthentic
			<b>R</b> igorous
	TAXA & A		N ova Curriculum
Year 6	Terms 3 & 4	Big concept: change and diversity Investigating and making a difference.	
Overview: Predominant subjects: Science (T3) ar			
<ul> <li>have on communities.</li> <li>Class texts have been chosen to enrice and survivors offers opportunities for c their understanding of how humans has</li> <li>Learning links (previous learning):</li> <li>History: Fossils would have been taught this. In Year 5, some children might has regarding natural disasters.</li> <li>Geography: Children will recap and but knowledge, the water cycle and rivers.</li> </ul>	h children's learning, encouraging them to ma hildren to learn about natural disasters and th ve evolved and how animals adapt to their en ht in Y3 however, spend a lesson recapping ve done a little bit of home learning ild upon their locational and place	al disasters with a focus on earthquakes and volca e effects that their reading and wider curriculum lea e effects that these can have. What Mr Darwins Sa vironment. Celebrating diversity and inspirational People Charles Darwin Mary Anning Velda Newman (Batiq artist). Healy and Burke	arning. For example, Floodlands aw allow children to develop
Launch and Landings	Art: Children will build on weaving skills to create textiles.		
<b>Term 3 Launch:</b> Sketching fossils and exploring the different types of fossils.		Experiential learning opportunities: <u>Experience day/ science experiment</u> Science - Bird Beak Experiment and maths work/ graphs	- Adaptation
<b>Term 4 Launch:</b> Natural disasters experiments - Earthquake towers, Fizzy bottle rockets and Tornado art		UWE Students – Inheritance and genetics worksl	hop
<b>Landing</b> : Exhibition in the hall for another year group TBC. Green screen documentary including a live demonstration and earthquake simulation showing tectonic plates.			

NC Objectives – Skills, knowledge and vocabulary taught through Line of Enquiry				
Science:	Geography:			
Science:         As Scientists we will: be exploring evolution and inheritance.         Evolution and inheritance):         • recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.         • recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents         • identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution         Vocabulary: Genes, DNA, Descendants, characteristics, variation, identical, adapt, natural selection, species, chromosomes, variation	Geography:         As Geographers we will:         Human & Physical Geography:         I can identify how and why volcanoes erupt.         I can explain why and where earthquakes occur.         How did the Earth evolve?         • Children identify how and why volcanoes erupt. How have natural disasters carved Earth's landscape?         • Children explain why and where earthquakes. How have natural disasters carved Earth's landscape?         • Children identify land-use patterns; and understand how some of these aspects have changed over time. How have natural disasters affected population distribution across Earth?			
<ul> <li>Through scientific enquiry, we will be:</li> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <li>Using test results to make predictions to set up further comparative and fair tests</li> <li>Secondary sources- Identifying scientific evidence that has been used to support or refute ideas or arguments</li> <li>Comparing and fair testing- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>Reporting and presenting findings from enquiries, including conclusions, casual relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</li> </ul>	<ul> <li>Children use a map with symbols and keys, 8 compass points and 6 figure grid references to navigate to a location and trace a route. Where is volcano?</li> <li>Children use a scale to calculate the distance on a map. How far did specific natural disaster reach (e.g. lava flow, tsunami floods)?</li> <li>Children use digital technology (Google Earth, IPad, data loggers) to record, interpret and present geographical data. What was the impact of significant natural disasters on life (e.g. migration, resettlement)?</li> <li>Vocabulary: topographical feature, coast, river, island, cape, delta, peninsula, gulf, mountain, hill, valley, plateau, plain, desert, water cycle, evaporation, transpiration, condensation, precipitation, run-off, river, tidal river, estuary, stream, lake, tributary, current, bank, delta, mouth, source, fresh water, saltwater, mountain range, tectoric plates, force, contrue, attitude, elevation, erosion, summit, peak, ascent, descent, vegetation, biome. Additional Year 6 Vocabulary: volcane, Ring of Fire, magma, mantle, fault, eruption, sull, vent, eruption, crust, extinct, core, conduit, dormant, ash, active, crater, earthquake, after shock, epicentre, fault line, fore shock, main shock, magnitude, Mercallie scale, micro quake, Richter scales, seismic, tremor, tsunami</li> <li>Geographical Skills &amp; Field work:</li> <li>How did the Earth evolve?</li> <li>Children use a scale to calculate the distance on a map. How far did specific natural disaster reach (e.g. lava flow, tsunami floods)?</li> <li>Children use a scale to calculate the distance on a map. How far did specific natural disaster reach (e.g. lava flow, tsunami floods)?</li> <li>Children use a scale to calculate the distance on a map. How far did specific natural disaster reach (e.g. lava flow, tsunami floods)?</li> <li>Children use digital technology (Google Earth, IPad, data loggers) to record, interpret and present geographical data. What was the impact of significant natural disasters o</li></ul>			

History:	Art
<ul> <li>As Historians we will be looking at:</li> <li>Chronological awareness and understanding</li> <li>Evolution topic- include a study of a significant person- Mary Anning</li> </ul>	<ul> <li>As Artists we will focusing on Textiles/Collage (felt, weaving and batiq)</li> <li>Experiment with weaving a range of fabrics, exploring texture, colour &amp; effect through overlapping and layering</li> <li>Revisit weaving skills and incorporate natural materials such as stones, sticks etc.to create own pattern</li> <li>Study the textile art of Healy &amp; Burke, analyse their use of media and express views in sketchbook</li> <li>Explore felt making &amp; creating felt sculptures https://www.accessart.org.uk/teenagers-make-small-sculptures-exploring-felt-making-and- transforming-materials/</li> <li>Revisit felt, incorporating stitches and embellishments</li> <li>Study the textile art of Velda Newman (or batik artist)</li> <li>Explore the process of batik, create a simple design inspired by evolution https://www.accessart.org.uk/making-batik-textiles-in-classroom/</li> <li>End piece – Plan &amp; create a final textiles piece inspired by evolution, incorporating one or more of learned techniques</li> </ul>

Opportunities for core subject learning across the curriculum				
As readers and writers we will:	As mathematicians we will:			
As Readers we will be writing/reading:	As Mathematicians we will developing our understanding of:			
<ul> <li>Studying the book 'Floodland' in our VIPERS sessions and reading it daily.</li> <li>Earth Shattering events</li> <li>Escape from Pompeii</li> <li>Survivors</li> <li>What Mr Darwin Saw</li> </ul>	<ul> <li>tally charts, bar charts and continuous/ discontinuous data –looking at variation in our class.</li> <li>Fractions, decimals and percentages.</li> <li>An introduction to algebra, including finding rules and writing simple expressions.</li> <li>Term 4:</li> </ul>			
<b>Talk for writing text:</b> The Caravan (warning tale), The Ice Dagger Dragon (non-fiction report), Lost (finding tale) and Greta Thunberg (non-fiction biography).	<ul> <li>Measurement: to convert units and build on perimeter, area and volume.</li> <li>Number, introducing ratio.</li> </ul>			

Discrete subject teaching - Skills, knowledge and vocabulary taught discretely				
Physical Education	Music –term 4			
As fit and healthy citizens we will develop skills in: Tag Rugby and Quidditch,(T3) Hockey and Dance (T4)	As Musicians we will develop our musical skills and knowledge through Beacon Bristol music scheme: - Rhythm - Unit 6 Chronology			
Computing	PSHE			
In computing we will develop skills through Teach Computing scheme: • Web Page Creation (T3)	As fit and healthy citizens we will develop our knowledge through SCARF scheme unit: Keeping myself safe Rights and responsibilities			
Introduction to Spreadsheets (T4)				
RE- term 3	Science (taught through PPA):			
As philosophers we will explore the question: RE Enquiry: What matters most to Christians and Humanists? <i>Christianity and Humanism</i> French	Working Scientifically States of Matter Properties Term 3 Changes of Materials – Term 4			
Term 3: What Is The Weather? (Intermediate Language Teaching) Term 4: School (Progressive Language Teaching)				