

Year 4	SEQUENCE OF LEARNING					
Autumn Term 2	<p>Enquiry Question: “How have explorers and scientists impacted on our world?” <i>Does our question give the children a real sense of what they will be exploring and finding out about? It should engage them in thinking about the ways in which they might answer it or go about finding answers. Consider the best order for your enquiries and it fits the time of the year. Think about the location and cultural context of our school. Does it coincide with particular events or festivals and is relevant to our community?</i></p>					
	<p>Harmony Principle: ADAPTATION <i>Does this principle existing in nature integrate into our learning and help develop an understanding of how the world works?</i></p>					
	<p>Great Work: Parade of the Seawigs <i>A purposeful outcome of the learning and a celebration of what has been learnt. Generate a sense of excitement, achievement, pride. The outcome can be shared so we need to adjust our thinking in the current situation.</i></p>					
	<p>Partners in Learning: <i>Who can enrich and add value to an enquiry?</i></p>					
	<p>Sustainability theme: Energy <i>What can we learn from this principle of harmony that helps us to live more sustainably? This is ultimately the learning goal of a harmony curriculum.</i></p>					
	<p>Text : Oliver and the Seawigs</p>					
	<p style="text-align: center;">Weekly Questions <i>A series of questions that take the children on a journey towards a meaningful outcome.</i></p>					
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
	Who is a famous scientist or explorer?	How did Fibonnaci make a difference?	When is it okay to break the rules?	What makes something great?	What evidence can we find to show that we have adapted?	Can anyone make a difference?

Geometry	Who was Fibonacci?	How does the golden ratio work? (buildings)	Do most famous architectural buildings use the golden ratio rule? https://kids.kiddle.co/Architecture	Can we design our own buildings using the golden ratio inspired by existing buildings?	Where can you find Fibonacci's spirals in nature?	Can we replicate Fibonacci's spirals in nature?
Outdoor Learning	How can you create a Fibonacci pattern using any natural materials you can find outside?	How can you represent part of the school building?	Can you make a bridge out of sticks that will hold a pine cone over the edge of the pond?	What will make your bridge stronger?	Are straight lines found in nature? Find examples in our grounds.	What patterns can you find in nature that will inspire and help you to design a building of your choice?
Sustainability theme - Energy	Emily Kirsch. What difference is she making with energy projects right now?	Where do we find energy in our homes?	What is fossil fuel energy? What will happen when we run out? https://www.youtube.com/watch?v=9fQ10F3W-WA&feature=emb_rel_pause (What if there was no electricity?)	Power stations - good or not?	Using too much energy - What's the cost to the earth?	What can you do to conserve energy?
Science	Who discovered electricity?	Where can we find electricity? (in homes)	What happens if we break the circuit?	How do we light a light?	Can anything stop electricity?	Ada Lovelace - Who was she?
History	How do we know the Vikings were great explorers?	What made a Viking settlement successful? (homes)	During the Viking times did the punishment fit the crime?	Was Alfred the Great really great?	How do you think the events of 1066 change the course of history?	What influence did Rosa Parks have on changing opinions?

Art	Are famous architects also scientists?	How have famous architectural buildings changed the environment?	When using water colour what happens when you cover the paper with water first?	Is it the attention to detail that makes a building great?	How can I make my 2D picture look 3D using only my pencil?	What is special about Courtney Brett?
PE	What physical skills does an explorer need?	What helps us to balance? Where might an explorer need this skill?	Can you balance on points and patches?	What is the most effective and most creative way you can help your partner to stand?	How can you adapt your movements to create a fluid sequence?	X-Mas Factor Do you think explorers and scientists are ever scared of what they are about to do?
RSHE - celebrating difference	How do we know that everyone is different?	Is including everyone an impossible task?	How do we know if someone is being bullied?	Being great - what can we do to help someone in trouble?	Kindness - what difference does it make?	How does it feel to give and receive compliments?
RE	<p>Where can you find symbols? What symbols can you find in the Christmas story? What symbols have a Christian meaning and which ones are commercial? What do these different symbols mean? Christingle - what does it mean to Christians? What do you think is the most significant part of the Nativity story for Christians today?</p>					
Computing Rising Stars Scheme- We are toy designers	What's a good toy?	Inputs and outputs - what toys contain computers?	What ideas do you have for an interactive toy?	How can Scratch help us to design?	What is a prototype?	Bugs or changes?
English	Text: Oliver and the Seawigs.					