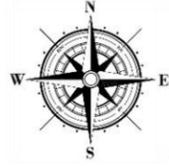




Palace Wood  
PRIMARY SCHOOL



# NAVIGATION



**Big Question:** Is there any part of our world yet to be 'discovered'? Is there a part of our world/planet where a human has never been?

YEAR 1

YEAR 2

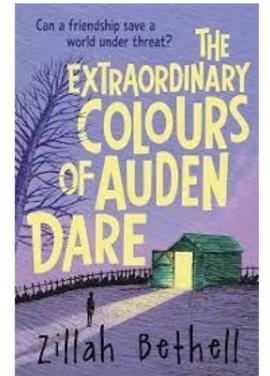
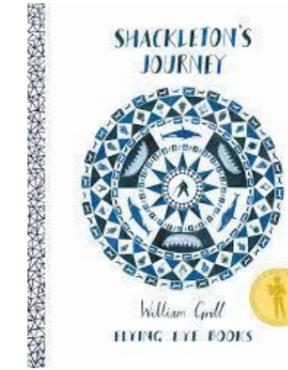
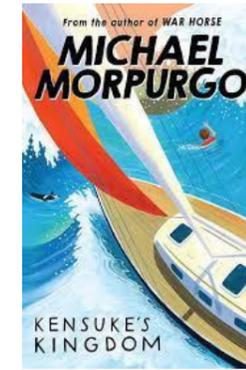
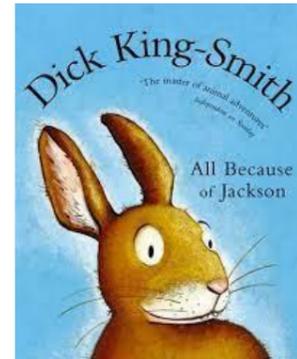
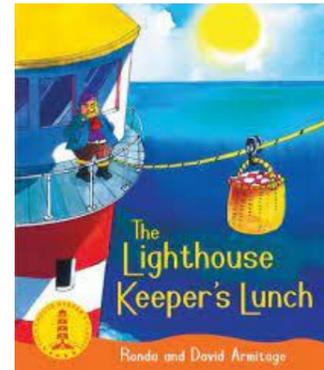
YEAR 3

YEAR 4

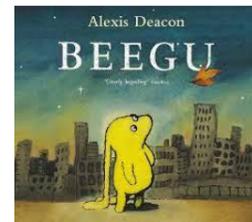
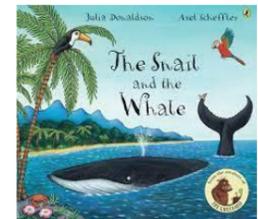
YEAR 5

YEAR 6

ENGLISH PRIMARY  
TEXT



SUPPLEMENTARY  
TEXTS



HISTORY AND  
GEOGRAPHY

**Local History**  
-What is/ was the River Medway used for?  
-What is its purpose?  
-How does a canal lock work?

**Types of Travel**  
-How do we move around?  
-What type of transport do we use to explore local areas (near, far and beyond)?

**Oceans and Continents**  
-Where are the 7 continents located in relation to the UK?  
-What are the identifying features of each continent?  
-What are the 5 oceans and where are they located in relation to the 7 continents (introduction to compass points)?  
-Who was Christopher Columbus?

**Project**  
Let's Build a Compass

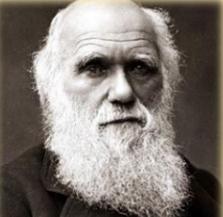
**The History of the Wheel**  
-Who invented the wheel?  
-How significant was this invention?  
-In what ways did the invention of the wheel change the way we live today?  
-Apart from transportation, how has the wheel been useful through history?

**Ships Through the Ages**  
-How have ships been used through the ages?  
-How has their design changed over time?  
-Which events through History would not have occurred if the invention of the ship didn't come about?  
Visit: Chatham Dockyard

**Counties of the UK**  
-How many counties are there in the UK?  
-What are the counties?  
-Passing through all 48 counties, what is the fastest route from Cumbria to Cornwall?  
**The Invention of the Canal**  
-How important was the invention of the canal?

**World War 2**  
-Track German invasion  
-How many countries did Germany occupy during WW2?  
-In what direction did the Germans travel to reach these countries?  
*Link: Light house of Alexandria How is this different?*  
**Project**  
Map out the European German conquests on the field (Big Art

	<p>-How has our planet adapted over the last century in order to make travel more accessible? -Where have you visited? -Would you have been able to go on holiday to other countries 100 years ago?</p> <p><b>Project</b> Conduct a basic traffic survey in order to find the most common forms of transport.</p>	<p>(<a href="https://www.youtube.com/watch?v=ldSG_qVF83M">https://www.youtube.com/watch?v=ldSG_qVF83M</a>) Use the compass to find north. Use this to navigate around the school to find hidden objects.</p>	<p>-What is the furthest distance travelled on one wheel? How does this compare to two wheels?</p> <p><b>European Cycle Routes</b></p> <p>Track the following cycle routes through Europe</p> <p><a href="https://weonbikes.com/en/blog/7-cycling-routes-europe-north-to-south/#1-atlantic-coast-route-11000-km-eurovelo-1">https://weonbikes.com/en/blog/7-cycling-routes-europe-north-to-south/#1-atlantic-coast-route-11000-km-eurovelo-1</a></p>		<p>-How integral were canals to the industrial revolution?</p> <p>Visit: Allington Lock</p>	<p>Attack Style). Children then use red cones to demonstrate the German conquests. Use drone to capture pictures.</p>
<p>SCIENCE</p>	<p><b>Animals, including humans</b></p> <p>Describe and compare the structure of a variety of common animals?</p> <p>-Are all animals equal?</p> <p><b>Seasonal Changes</b> -Record weather on a chart at the beginning of each day. <i>Evaluate changes at the end of the year.</i></p>	<p><b>Living Things and Their Habitats</b> Explore the migration patterns of swallows. -Describe the habitats of swallows -Why do swallows migrate between north and south and spend their winters in Africa? -How are swallows nest different from other bird's nests? Why? -Simple food chain (<a href="https://www.youtube.com/watch?v=tQ0IP8kSwcA">https://www.youtube.com/watch?v=tQ0IP8kSwcA</a>) <i>Let's make our own swallow nests</i> -Why is mud a good material for building? -Where else is mud used as a building material?</p>	<p><b>Light</b></p> <p>-Learn about the journey of light from the sun -Recognise that sunlight can be dangerous -Understand that light is needed in order to see -Explore innovative ways in which certain civilisations used light -Use natural and artificial light to create shadows of different shapes and sizes. -How can light be used to communicate?</p> <p><i>Create a light show to ...</i></p>	<p><b>Sound</b></p> <p>-How does sound travel? -Journey to the ear -Recognise that sound gets fainter the further you are from the source -The Doppler Effect</p> <p><i>Key question: If the speakers at a music festival are only on the stage. How does this impact volume for all spectators?</i></p>	<p><b>Earth and Space</b></p> <p>-How did our ancestors use the position and movement of the sun to help them navigate? -Are the planets reliable for finding direction? Why? -How did explorers use the stars to navigate? Was this an accurate way to find direction? -How long have humans been using the stars to navigate?</p> <p>Who was Neil Armstrong?</p> <p>Visit: Herstmonceux</p>	<p><b>Light</b></p> <p>-How does light travel? -How do we see objects? -How are shadows formed? -What is the purpose of a lighthouse? How does it work?</p> <p><b>Electricity</b> -Continue to develop understanding of circuits. -Learn to draw circuit diagrams. -Use this knowledge to include LED to lighthouse in DT.</p> <p><b>TRIP: South Forelands Lighthouse Dover</b> (£3pp plus travel) -Visit the lighthouse and attend workshop. -Walk along white cliffs trail</p>

<p style="text-align: center;"><b>ART AND DT</b></p>	<p style="text-align: center;"><b>DT Project</b> Let's Build a Car <i>Design - Build - Evaluate</i></p> <ul style="list-style-type: none"> <li>-Design a car</li> <li>-Build a model</li> <li>-Test and evaluate</li> </ul>	<p style="text-align: center;"><b>DT Project</b> Let's Build Wheelbarrows <i>Design - Build - Evaluate</i></p> <ul style="list-style-type: none"> <li>-Design a wheelbarrow</li> <li>-Build a model</li> <li>-Test</li> <li>-Adapt</li> <li>-Build final product</li> </ul> <p style="text-align: center;"><i>Children to use their knowledge of compass points and maps to navigate their wheelbarrows around the school site and collecting items.</i></p>	<p style="text-align: center;"><b>Art</b> Study Claude Monet coastal lighthouse paintings</p> <p style="text-align: center;"><b>TRIP: South Forelands Dover</b> (travel cost only)</p> <ul style="list-style-type: none"> <li>-Sketch/photograph</li> <li>-Use a range of media to create own coastal artwork inspired by Monet.</li> </ul>	<p style="text-align: center;"><b>DT Project</b> Let's Build a Raft <i>Design - Build - Evaluate</i></p> <ul style="list-style-type: none"> <li>-Design a raft</li> <li>-Build a model</li> <li>-Test and evaluate</li> </ul> <p style="text-align: center;"><b>TRIP: Mote Park Watersports Centre</b> (£TBCpp) Raft building activity</p> <p style="text-align: center;"><b>Viking Long ships?</b></p>	<p style="text-align: center;"><b>Art</b> Study paintings inspired by the sky and create our own.</p> <ul style="list-style-type: none"> <li>-Vincent Van Gogh, Starry Night</li> <li>-Lieve Verschuier, the Great Comet of 1680 Over Rotterdam, 1680</li> <li>-Astronomy, Philipp Florinus von Pfalz- Sulzbach, 1705</li> <li>-Starlight Night, Georgia O'Keeffe, 1917</li> </ul>	<p style="text-align: center;"><b>DT Project</b> Lighthouse Diorama</p> <ul style="list-style-type: none"> <li>-Create a lighthouse diorama based on the Luftwaffe flying close to the lighthouse.</li> </ul>
<p style="text-align: center;"><b>MUSIC</b></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Grieg – In the Hall of the Mountain King</i></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Vaughan Williams – The Lark Ascending</i></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Beethoven – 6<sup>th</sup> Symphony – Pastoral</i></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Mendelssohn – Hebrides Overture</i></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Vivaldi – The Four Seasons</i></p>	<p style="text-align: center;"><b>Study of music inspired by travel</b> <i>Ludovico Einaudi – Seven Days Walking</i></p>
<p style="text-align: center;"><b>RE</b></p>	<p style="text-align: center;"><b>Noah's Ark</b></p> <ul style="list-style-type: none"> <li>-Where did Noah build the Ark?</li> <li>-Why did Noah build the Ark?</li> <li>-How big was Noah's Ark?</li> <li>-Where did the Ark land?</li> </ul>	<p style="text-align: center;"><b>Moses: Crossing the Red Sea</b></p> <ul style="list-style-type: none"> <li>-Why did Moses part the Red Sea?</li> <li>-Where is the Red Sea located?</li> <li>-Why is the Red Sea not an ocean?</li> </ul>	<p style="text-align: center;"><b>Ramayana</b> <i>The story of Rama and Sita</i></p> <ul style="list-style-type: none"> <li>-How long did it take for Rama to rescue Sita?</li> <li>Who did Rama come across during his journey?</li> </ul>	<p style="text-align: center;"><b>Jacob's Journey</b> (Genesis 28-33)</p> <ul style="list-style-type: none"> <li>-Was Jacob a good man?</li> <li>-Where did Jacob come from?</li> <li>-Why was Jacob travelling to Egypt?</li> </ul> <p style="text-align: center;"><i>Explore: Map of Jacob's journey to Egypt</i></p>	<p style="text-align: center;"><b>Buddhism</b></p> <p style="text-align: center;">Question: What are the four most popular Buddhist pilgrimage centres?</p> <p style="text-align: center;">Why are these destinations significant?</p>	<p style="text-align: center;"><b>The Israelites Flee from Egypt (The Exodus)</b></p> <ul style="list-style-type: none"> <li>-Why did the Israelites leave Egypt?</li> <li>-Where did they Travel?</li> </ul>
<p style="text-align: center;"><b>PROJECT WEEK</b> EACH YEAR GROUP TO STUDY A DIFFERENT EXPLORER AND PRESENT THEIR FINDINGS</p>	<p style="text-align: center;"><b>Francis Smythe</b></p> 	<p style="text-align: center;"><b>Amelia Earhart</b></p> 	<p style="text-align: center;"><b>Charles Darwin</b></p> 	<p style="text-align: center;"><b>Nellie Bly</b></p> 	<p style="text-align: center;"><b>Ernest Shackleton</b></p> 	<p style="text-align: center;"><b>Ranulph Fiennes</b></p> 