

Science Innovation Island Digital Explorer Quiz (KS3)

Your Questions	
<p>Q1</p>	<p>This is a picture (view) of the Isle of Wight taken from space by a camera on a satellite and is called a satellite map. Make the map bigger by zooming in to it and see if you can find the place where your school is.</p> <p>Each of the orange pins shown on the map marks a place on the Island (like your school). Each pin has a story about an interesting object from history. These objects, often called artefacts and documents, tell us something about the science inventors and innovators connected with the Isle of Wight.</p> <p>Click on a pin on the coast near the sea to select an object:</p> <p>There may be more than one item so check each pop-up window as it opens. Click on the Next Feature arrow(s) (shown at the top of the pop-up window) to skip through them.</p> <p>Write down the name of the object you choose:</p> <p>What am I? <input type="text"/></p> <p>Your answer: <input type="text"/></p>
<p>Q2</p>	<p>Click on a pin in the middle of the Island to pick another object. Write down the name of the object you choose:</p> <p>What Am I? <input type="text"/></p> <p>Your answer: <input type="text"/></p>
	<p>We can also use the search box, found at the top-left of the screen and outlined in red here, to look or search for individual objects. Try it out and see what it can do.</p> <p>As you type letters a drop-down list will appear. Choose one in the list by highlighting it and pressing enter. The map will now move to the location you have chosen (the pin will show in a small blue box).</p>



Each object hidden within the Science Innovation Island map tells us something about the science inventors and innovation on the Isle of Wight through history. It's now time for you to embark on an expedition of discovery.

Explore the map to find the object, either artefact or document, that answers each of the 8 questions below and record its 'clue letter' (found at the bottom of each pop-up window). You will have completed your expedition when you have all 8 clue letters. But as you unscramble them to break their code you will have to find one letter that doesn't belong there.

Six areas of innovation

	Speed on Water			Flying and Landing on Water		Women Scientists and Engineers	Saving Lives at Sea	Earthquake Science	Diving Deep
									
Clue letters found to answers	3	4	5	6	7	8	9	10	

<p>Q3</p>  <p>What is the 'clue letter'</p> <p>(add it to box 3 of clue letters found)</p>	<p>If necessary, click on the 'X' in the 'search box' to clear your last search. Type in Joe Carstairs in the search box and press enter. Click on the orange pin in the blue square.</p> <p>What is the name of the vessel Joe is sailing on, where is she and what is the date?</p> <p>Who made or used me? Your answer: <input type="text"/></p> <p>Where is my Isle of Wight connection? Your Answer: <input type="text"/></p> <p>What period in history am I from? Your Answer: <input type="text"/></p> <p>What other water sport was Joe known for? <input type="text"/></p>
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	Speed on Water	Flying and Landing on Water	Women Scientists and Engineers	Saving Lives at Sea	Earthquake Science	Diving Deep
	<p>When you have finished answering question 3, click anywhere on the map to close the pop-up window. Now click on the 'Home' button top left (it looks like a house!)  to zoom out. Finally, click on the X in the search box to clear your last search.</p>					
<p>Q4</p>  <p>What is the 'clue letter'</p> <p>(add it to box 4 of clue letters found)</p>	<p>Type in Saunders in the search box and press enter. Click on the orange pin in the blue square.</p> <p>What is the name of the boat Joe is piloting? Who designed it and where was it built?</p> <p>Name of the boat? Your answer: <input type="text"/></p> <p>Who designed it? Your Answer: <input type="text"/></p> <p>Where was it built? Your Answer: <input type="text"/></p> <p>When finished with question 4, close the pop-up window, click the home button and clear the search box as before.</p>					
<p>Q5</p>  <p>What is the 'clue letter'</p> <p>(add it to box 5 of clue letters found)</p>	<p>Search for Avenger.</p> <p>What kind of boat is it? Who built it? And where did he learn his craft?</p> <p>What kind of boat? <input type="text"/></p> <p>Who built it? <input type="text"/></p> <p>Where did he learn his craft? <input type="text"/></p> <p>When finished with question 5, close the pop-up window, click the home button and clear the search box as before.</p>					

	Speed on Water	Flying and Landing on Water	Women Scientists and Engineers	Saving Lives at Sea	Earthquake Science	Diving Deep
<p>Q6</p>  <p>What is the one that uses floats? 'clue letter' (add it to box 6 of clue letters found)</p>	<p>Search for White</p> <p>This shipbuilders in Cowes used their skills to invent some other types of transport. List 3 of them here:</p> <p>Transport Object 1 <input type="text"/></p> <p>Transport object 2 <input type="text"/></p> <p>Transport object 3 <input type="text"/></p> <p>When finished with question 6, close the pop-up window, click the home button and clear the search box as before.</p>					
<p>Q7</p>  <p>What is the 'clue letter' (add it to box 7 of clue letters found)</p>	<p>Search for Blanche.</p> <p>What was the name of one of the earliest known female naval architects?</p> <p>Her name? <input type="text"/></p> <p>Describe where she worked and what she did? (Use the Attachment photographs to help you)</p> <p><input type="text"/></p> <p>When finished with question 7, close the pop-up window, click the home button and clear the search box as before.</p>					

	Speed on Water	Flying and Landing on Water	Women Scientists and Engineers	Saving Lives at Sea	Earthquake Science	Diving Deep			
<p>Q8</p>  <p>What is the smaller lifeboat's 'clue letter'</p> <p>(add it to box 8 of clue letters found)</p>	<p>Search for lifeboat. Name two lifeboats that were designed and built on the Island.</p> <p>Lifeboat names?</p> <table border="1" data-bbox="743 391 2027 478"> <tr> <td></td> <td></td> </tr> </table> <p>Compare the size and appearance of both of them. Can you suggest why they are different? (Use the Attachment photographs to help you)</p> <table border="1" data-bbox="743 478 2027 766"> <tr> <td></td> </tr> </table> <p>When finished with question 8, close the pop-up window, click the home button and clear the search box as before.</p>								
<p>Q9</p>  <p>What is the 'clue letter' for the chart</p> <p>(add it to box 9 of clue letters found)</p>	<p>Search for John Milne. What did he design, who did he work with and what did they measure?</p> <p>What did he design?</p> <table border="1" data-bbox="743 973 2027 1061"> <tr> <td></td> </tr> </table> <p>Who did he work with?</p> <table border="1" data-bbox="743 1061 2027 1149"> <tr> <td></td> </tr> </table> <p>Have a look at the photo of the 1911 earthquake chart. Can you tell how long the first earthquake on the list lasted? ('Duration')</p> <p>Duration?</p> <table border="1" data-bbox="743 1228 2027 1316"> <tr> <td></td> </tr> </table> <p>When finished with question 9, close the pop-up window, click the home button and clear the search box as before.</p>								

<p>Q10</p>  <p>What is the 'clue letter'</p> <p>(add it to box 10 of clue letters found)</p>	<p>Search for Siebe.</p> <p>What is the name of the object they made?</p> <p>What is it made of?</p> <p>Why do you think it is made of these materials?</p>											
	<p>Speed on Water</p> 		<p>Flying and Landing on Water</p> 		<p>Women Scientists and Engineers</p> 		<p>Saving Lives at Sea</p> 		<p>Earthquake Science</p> 		<p>Diving Deep</p> 	
	Clue letters found to answers		Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10		
<p>You should now have identified the 8 clue letters. Copy them to the boxes above and using 7 of the 8 (one of them is a red herring), rearrange them to spell a scientific word associated with innovation on the Isle of Wight.</p> <p>Ask your teacher to tell you more about this word.</p>												