



Take Two (UNESCO) Islands

Lesson Plan 2: Isle of Wight Biosphere Reserve

Learning aims

- To reflect on why the Isle of Wight has been designated as a UNESCO Biosphere Reserve
- To understand more about the Island's natural environment (geology, biology, weather)
- To explore the impact of people on the Island through history into the present
- To reflect on how the Isle of Wight can develop as a world biosphere in the future



Discovering the Island - Isle of Wight

- Class discussion: What we already know (15 minutes)
- Group activities 4 groups rotating between 4 x 10-minute activities, creating a PowerPoint presentation about the Island (use your exercise book to make research notes)
 - Its Geology
 - Its Biodiversity
 - Its Weather
 - Its People



Discovering the Island – What we already know

- 15 minutes
- Class discussion:
 - What do we know about the Isle of Wight?
 - AONB Map
 - Have you visited any of these?
 - Where is Gosport in relation to the Island?
 - Why do we think it might be a UNESCO Biosphere Reserve? (including recap from Lesson 1)
 - Areas of Outstanding Natural Beauty; Land Coast.- Sea
 - Recent Island connected to mainland 10,000 years ago and separated over the last 10,000 years
 - Places of settlement and protected landscapes Island life

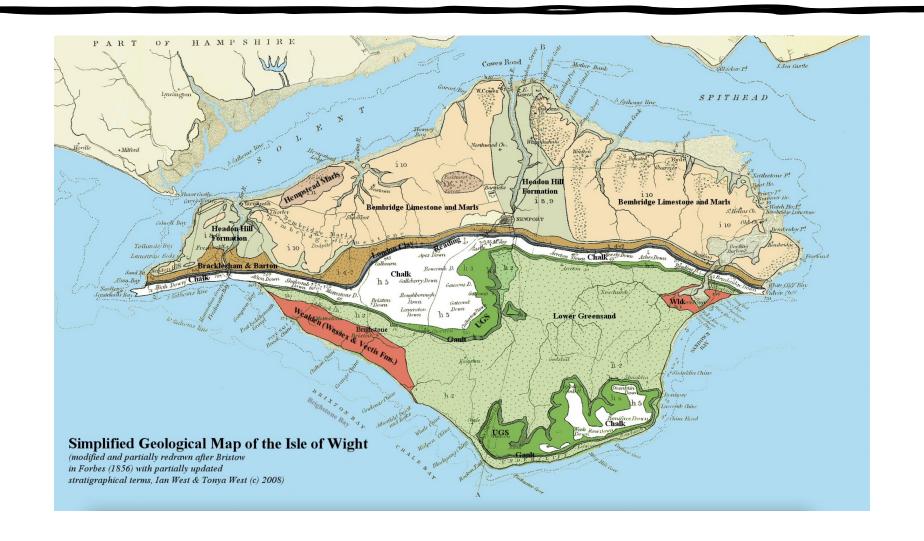


Discovering the Island – Group activities

- Group activities 4 groups rotating between 4 x 10-minute activities, creating a PowerPoint presentation about the Island (use your exercise book to make research notes):
 - Group 1: Geology Biodiversity Weather People
 - Group 2: Biodiversity Weather People Geology
 - Group 3: Weather People Geology Biodiversity
 - Group 4: People Geology Biodiversity Weather



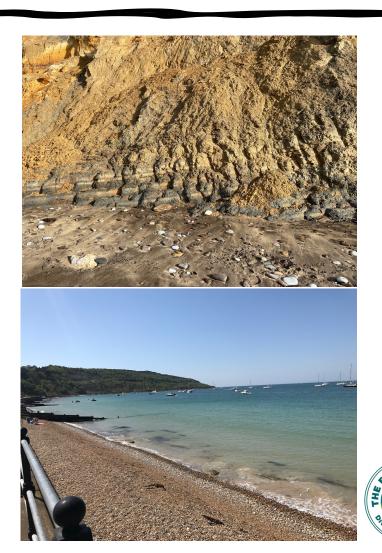
Discovering the Island - its geology





Discovering the Island - Geology







Discovering the Island - Geology

Study the samples of geology from the Island provided:

- Chalk find the chalk on the geology map and locate the Needles and Freshwater Bay. Which photo relates?
- Greensand/ sandstone find greensand/ sandstone on the geology map and locate Compton Bay. Which photo relates?
- Clay/ muds find the Wealden clay/ muds on the geology map and locate Compton Bay. Which photo relates?
- Solent river pebbles find the Solent and its beaches on the geology map and locate Totland Bay. Which photo relates?
- Add your photos to the PowerPoint presentation and describe the geology (colour, texture, imagined feel etc.)

Discovering the Island – its geology



Sandstone - Compton Bay

Muds - Compton Bay



Chalk- Freshwater Bay

Pebbles- Totland Bay





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Discovering the Island - Biodiversity

Answer these questions in your group PowerPoint presentation about the Island's biodiversity, searching online for information (add images if you wish)

- Name 3 animals, insects or plants which make their home on the Isle of Wight and are rare elsewhere on the British Isles, and write something about them
- Why do you think the Island might have animals, insects and plants which are rarely found elsewhere?
- 125 million years ago during the Cretaceous Period, the land that now forms the Isle of Wight was located at a latitude where North Africa is today. It was a world of sub-tropical ponds, rivers and swamps. What evidence survives for the animals and plants that lived in this very distant time?



Discovering the Island - Weather

Imagine – you are the photographer in Wind; the walker in Sun, the yachtsman on the boat, the cloudgazer on the bench. How would you describe your experience? Use images found online to illustrate

- Wind
- Sun HoMe
- Rain
- Clouds



Discovering the Island - People

- Find out how many people now live on the Isle of Wight and how many tourists it gets each year (online). Add it to your PowerPoint
- Explore the <u>Isle of Wight Before 1066</u>, <u>1700-1900</u>, <u>Science</u>

 <u>Innovation Island</u> and <u>Global Island Explorers</u> and choose one object story from each Explorer. Download the object image and add to your PowerPoint, add a label which says what the object is, how old it is, and why you chose it

