

Impact Study! Blackgang: Physical and Human Processes

By observing processes at Blackgang, we can understand the geographical features there.

Student Introduction

- ▶ Human and physical processes have had an impact on Blackgang Chine and the surrounding area for many years.
- ▶ Physical processes at the site have resulted in the discovery of dinosaur remains!
- ▶ Your task is to research the processes likely to be seen here (physical and human), to make observations on

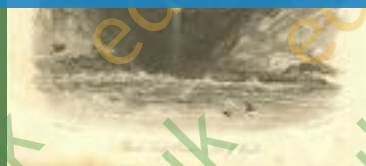


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feet above the sea overlooking Chale Bay.

Stretching some three quarters

of a mile down to the shore, it was a wild and desolate place used by only the local fisherman, although there were rumours of an illegal smuggling trade!



Pre-visit Discussion Questions

- » How might the land near a chine (a deep crack in the wall of a cliff) change over time?
- » How might climate and weather affect coasts?
- » How might the building of a theme park in the 19th century have changed the characteristics of Blackgang and the surrounding areas?
- » Which rock types might you expect to find at these cliffs in the south of the Isle of Wight?

Independent Task

- ✓ Research Blackgang and its coastal history using the internet.
- ✓ Before your visit complete your research, make some notes, and think about what you might expect to see on-site.

Complete the table below with your observations

<p>Example of Physical Processes evident</p>	<p>Impact? As evidenced at Blackgang Chine and surrounding area</p>	<p>Example of Human Processes evident</p>	<p>Impact? As evidenced at Blackgang Chine and surrounding area</p>
<p></p>	<p></p>	<p>Tourism (visitors to the park) - bringing in footfall during seasons</p>	<p>Boosting local economy Footpath erosion</p>

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Summary of Findings

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How would you describe the coastal environment at Blackgang Chine?

Which of the 3 key processes (*erosion, transportation, deposition*) were evident at Blackgang Chine?

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What key factors affect the erosion of the coastline here?

How is the coastline likely to change here in the future?

What human processes were evident and what impact do they have on the area?

