

TEACHER NOTES

Science

Living Things & their Habitats (Classifying Organisms)

Contextual Summary

This resource links to the National Curriculum for Science, (*recognise that living things can be grouped in a variety of ways; classification*).

This on-site and post-visit science activity is for key stage 2 students and allows the students to work scientifically in observing and grouping information about living things as represented at the **Restricted Area 5** dinosaur attraction. Students will be able to use the information they record in a table to classify the dinosaurs seen at Blackgang Chine.

This resource engages students with specific elements of their visit,

linking their learning to the curriculum; identifying the features and characteristics of living things; and using appropriate



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SUBJECT

Science

UNIT

Biology - Classification

OPPORTUNITIES FOR USE

- ✗ Pre-Visit
- ✓ On-Site Activity
- ✓ Post-Visit

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Task Implementation

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This is an on-site and post-visit activity. It would be useful if students have had previous discussions about classification. It would also be helpful preparation for students to know how different characteristics of dinosaurs can be used to help classify them, before their visit to Blackgang Chine.

When on-site, students research information about the dinosaurs featured at Blackgang's Restricted Area 5, recording it in a table.

Students then use this information back in the classroom to classify the dinosaurs placing them into the correct groups and subgroups. An extension task is also available - this asks students to write a scientific summary of their findings with regard to one dinosaur.

Ability Levels

There are 3 variants of the resource: one resource for lower ability students and one resource for higher ability students in KS2L and one mixed variant for KS2U. Teachers could adapt the content for students' needs by simplifying instructions where appropriate, or adding more complex tasks.

Key skills practised in this unit:

- ▶ Working scientifically.
- ▶ Making decisions about how to record and analyse data.
- ▶ Making accurate observations
- ▶ Using scientific terminology to describe findings
- ▶ Using scientific information to classify animals.

Relationship to Curriculum

The above skills are required to be taught and practised as per the National Curriculum / Curriculum for Excellence, for key stage 2 science.



P3-P6

CURRICULUM / SYLLABUS

- ✓ National Curriculum 2014
- ✓ Curriculum for Excellence

Applies to Resource numbered:

1	0	6	0	2	1
1	0	6	0	2	2
1	0	6	0	2	3

Learning Opportunities

Pre-Visit

- ▶ It is suggested to teachers that some background to the topic be taught and practised in class prior to the trip so students are aware of the scientific skills they will be using.

During the Visit

- ▶ Students to complete tasks within the Science resource linked to this document:

Project Dinosaur: Restricted Area 5!

Resource ID: **106021** (KS2L low ability) **106022** (KS2L higher ability)

106023 (KS2U mixed ability)

Post-Visit

- ▶ Students complete their research and group their chosen dinosaurs

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- ✓ Students are able to set up scientific enquiries, and work scientifically.
- ✓ Students will have first-hand knowledge of the types of dinosaur that can be found at Blackgang Chine and begin to see how their characteristics help to classify them.

Learning Outcomes

- ✓ Students recognise that living things can be grouped in a variety of ways.
- ✓ Students will be able to name a variety of dinosaur species that were once found in the local and wider environment.
- ✓ Students will explore and use classification tools to group a variety of living things.
- ✓ Students will use scientific language to explain their findings.

Possible follow-up tasks:

Key stage 2 students could also:

- ▶ Complete a more in-depth investigation into dinosaurs of the Isle of Wight and their groupings.

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