

TEACHER NOTES

Science (Biology) - Animals

Identifying animal parts for support, protection and movement



Contextual Summary

This is a curriculum skills-based Science resource that enables students to practise their skills of identifying animal parts, understanding the needs of the dinosaur, and suggesting likely reasons for dinosaurs' physical features and characteristics - skills that are a core part of Science within the 2014 National Curriculum and, in Scotland, Curriculum for Excellence. There are 3 resources, aimed at key stages 1 and 2L/U.

The task links to all species featured at Dinosaur Isle museum, thus ensuring relevance on the visit for students in key stages 1-2.

Questions have been chosen because they link directly with the key curriculum areas.

Task Implementation

It is suggested to teachers that they introduce the topic before the visit, so the subject matter is familiar and they have an understanding of physical characteristics in humans and animals and why they are important to the needs of the individual within their habitat. Students could look at the purposes of and uses for body parts in various species (including dinosaurs, if desired) and identified reasons for these.

If prepared, students should be keen to find the answers to the questions, and may have already researched / guessed at some of the possible answers in their suggested pre-visit research.

This task could also be used as a follow-up task to compound learning, as long as students make notes on the page 2 aspects when visiting the museum (for the KS2 resources only).

Ability Levels

There are 3 versions of this resource, one mixed ability resource each for key stage 1, lower key stage 2 and upper key stage 2. These could be adapted further by teachers if required, i.e. for SEN. For example, students could be tasked with answering fewer questions, or responding to areas that interest them the most, or perhaps work in teams to find the answers. Alternatively, students could adaptively use the key stage resource below or above if applicable.

Key skills practised in this unit:

- ▶ Observation and identification of body parts
- ▶ Suggesting reasons for body parts and their uses (specifically for dinosaurs)

Relationship to Curriculum

The above skills are required to be taught and practised as per the National Curriculum, for Science key stages 1 and 2 (lower and upper).

SUBJECT

Science

UNIT

Animals

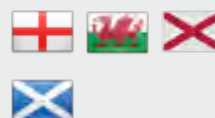
OPPORTUNITIES FOR USE

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



30-45 Mins

APPLICABILITY



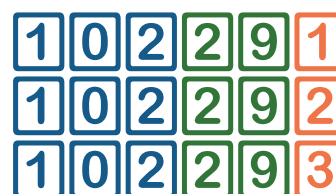
KS1, KS2L/U

P2-P7

CURRICULUM / SYLLABUS

- ✓ National Curriculum 2014
- ✓ Curriculum for Excellence

Applies to Resources numbered:



Learning Opportunities

Pre-Visit

Students complete work on why body parts are important in providing movement, shape, support, or protection (either in dinosaurs or in other species)

During the Visit

Completion of the resource/s linked to this document:

Identifying animal parts for support, protection and movement

Resource ID: **102291** (KS1 mixed ability), **102292** (Upper KS2 mixed ability),

102293 (Lower KS2 mixed ability)

Post Visit

This resource could be used as a follow-up task to compound learning or evidence their level of understanding after the visit.

Other follow-up tasks could include:

- ▶ Whole class discussion about the responses to the questions
- ▶ Groups presenting back their collated responses to the class
- ▶ Projects on a dinosaur type of particular interest, or uses of body parts in another type of animal

Enrichment Opportunities

Students will experience a museum-environment and be able to see re-creations or skeletal reconstructions of types of dinosaur, helping them identify the uses for various body parts in many types within the species.

Learning Outcomes

Students will be able to demonstrate their ability to observe and identify animal parts for support, protection and movement in dinosaurs, relating to the physical/biological characteristics within a species.

For further details visit www.edudest.uk and click:

- ▶ *Resource Finder* - to locate specific resources identified above
- ▶ *Venue Finder* - to learn more about education at this venue
- ▶ *Subject Finder* - to find other relevant Isle of Wight venues

