

TEACHER NOTES

Science - Biology

Relationships in an Ecosystem - Food Chains & Food Webs

Contextual Summary

This resource is for students at key stage 3 and relates to the 'Interactions and Interdependencies' part of the Science National Curriculum, specifically 'Relationships in an Ecosystem'.

The 'on-site' tasks focus on the identification of fossil teeth and the construction of food webs based on the display materials found at Dinosaur Expeditions activity barn.

Tasks are designed to appeal to students at key stage 3.



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DINOSAUR
EXPEDITIONS

SUBJECT

Science

UNIT

Relationships in an Ecosystem

OPPORTUNITIES FOR USE

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

Peripheral Task

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Students will use an identification grid to identify the different fossil teeth that they will discover. The worksheet will then help them to relate the structure of these teeth to their function.

Students will make careful observations in the display area to help them interpret and construct 'dinosaur food webs'.

Ideally, students will have a clear understanding of the concept of food webs before the visit.

Ability Levels

This resource is suitable for lower and higher ability students in key stage 3.

There are two worksheets for each ability level: one focusing on food webs, and one for the fossil teeth identification and classification.

Key skills practised in this unit:

- ▶ Making systematic and careful observations
- ▶ Recording observations
- ▶ Making predictions using scientific knowledge and understanding.

Relationship to Curriculum

The above skills are required to be taught and practised as per the National Curriculum / Curriculum for Excellence, for Key Stage 3 Science.



S1-S3

CURRICULUM / SYLLABUS

- ✓ National Curriculum
- ✓ Curriculum for Excellence

Applies to Resource/s numbered:

1	1	4	0	6	1
1	1	4	0	6	2
1	1	4	0	6	3
1	1	4	0	6	4

Learning Opportunities

During the Visit

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

Resource ID: **114061** (KS3 lower ability) - Food Webs

114062 (KS3 lower ability) - Identifying Teeth

114063 (KS3 higher ability) - Food Webs

114064 (KS3 higher ability) - Identifying Teeth

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Enrichment Opportunities www.edudest.uk

- Opportunities exist for students to gain valuable practice in the area of working scientifically.
- They will also gain knowledge about the variety of dinosaurs that were living in varying habitats.

Learning Outcomes

- ✓ Students will be aware of the relationship between structure and function of teeth.
- ✓ They will interpret and construct food webs.

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- Risk assessments
- Travel and accommodation

