

PARENT NOTES

Science - Biology

Relationships in an Ecosystem - Food Chains & Food Webs



At A Glance:

- ✓ Science
- ✓ Key Stage 3
- ✓ Mixed ability range
- ✓ National Curriculum
- ✓ Practises a range of scientific identification skills

About this activity

During their visit to Dinosaur Expeditions students can practise their 'Working Scientifically' skills in the activity area, focusing on identifying fossil teeth using an identification key.

The task links to the display area will allow students to apply their knowledge of food webs to dinosaurs. Students can use the display materials to assist them in completion of their worksheets.

These 'on-site' tasks are designed to appeal to students in lower and key stage 3.

Teaching resources by Education Destination Ltd.

- ✓ On-site Curriculum relevant materials supporting school trips to the Isle of Wight

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What's Involved?

Students will focus on identifying fossil teeth using an identification key.

Students will apply their knowledge of food webs to dinosaurs.

Students use the display materials to assist them in completion of their worksheets.



"Fossils have richer stories to tell..."

- Robert T. Bakker

www.edudest.uk independently or together to complete the

worksheets about the fossil teeth and food webs.

- ▶ They search for fossil teeth then identify them using an identification key.
- ▶ Students will draw simple dinosaur food webs and relate the animals' diet to tooth structure.

How does this link to my child's learning?

- ▶ Students will understand the use of identification keys.
- ▶ Students will be able to relate various teeth to their function.
- ▶ Students will construct food webs from information provided.
- ▶ Students are applying practical skills by working scientifically to make predictions using scientific knowledge and understanding.

What will they learn?

- ▶ Students will explore and use keys to identify different types of teeth.
- ▶ They will learn how the structure of different teeth is related to their function.
- ▶ Students will construct and interpret a variety of food webs.
- ▶ They will investigate the interdependence of organisms in an ecosystem, including food webs.

How does this enrich study undertaken in school?

- ▶ Students will be able to relate their observations of dinosaur food webs to other food webs.
- ▶ Students will develop their observations skills to enable them to use identification keys more effectively.
- ▶ Students will understand the interdependence of organisms in an ecosystem.

What do they need to have done in preparation?

- ▶ It is suggested to teachers that students have an understanding of food webs before their visit.

What skills do they need to demonstrate?

- ✓ Making systematic and careful observations
- ✓ Recording observations

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Helpful Resources

www.edudest.uk

Encourage your child to research dinosaurs and the Isle of Wight's natural history

This activity was compiled by **Education Destination** in conjunction with **Dinosaur Expeditions CIC**. We help students of all ages and abilities to experience excellent curriculum based learning opportunities at many Island venues and attractions.



edudest.info

At **Dinosaur Expeditions CIC** the age of the dinosaurs comes alive the moment you see those imposing southern cliffs! Literally walk in the footsteps of dinosaurs that lived here millions of years ago! Fabulous learning in Science, Maths, Palaeoart & many more subjects!



dinosaurexpeditions.co.uk

For further reading about the Island's palaeontology and the dinosaurs of the Isle of Wight, **wikipedia** offers an excellent range of articles. This would serve as an ideal introduction for learners prior to their visit, and is suitable for ages 7 upwards.



wikipedia.org

