

PARENT NOTES

Mathematics

Working Mathematically - Practising Maths Skills



At A Glance:

- ✓ Mathematics
- ✓ Key Stage 2
- ✓ Low to High ability range
- ✓ National Curriculum

Practises a range of

About this activity

This is an on-site maths resource that engages students with their visit to the Dinosaur Expeditions Centre. The resource task enables them to practise their measuring and number skills giving opportunities to demonstrate estimation, measurement, comparisons and conversions of numerical data and the solving of simple problems.

Students are asked to complete a number of practical activities during their visit with options for follow up work back at school.

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Questions & Answers

What's Involved?

Students will be engaged in a number of activities where they are using measurement and number to solve problems that relate to dinosaurs.



*"For every problem,
there is a solution..."*

- William R. Alger

What is the task?

- ▶ The tasks require the students to take measurements and make numerical calculations during their visit, and to use and record this data in a range of ways.

How does this link to my child's learning?

- ▶ The task requires careful selection of relevant data, and the handling of such, in order to provide answers to problems involving comparison. This is a key requirement in the National Curriculum.

What will they learn?

- ▶ Students will learn about how to collect and record relevant data and then use it to answer a problem.
- ▶ They will practise the following:
 - ✓ Measuring distance and area in metres and centimetres
 - ✓ Comparison and conversion of numerical data
 - ✓ Scale (KS2U)
 - ✓ Manipulation of numbers within the decimal system (including millions for KS2U)
- ▶ They will identify appropriate operations to solve a problem.

How does this enrich study undertaken in school?

- ▶ The stimulus of a real location that has been visited motivates the student in a more positive way. The problem becomes a real one, not purely a text book example!

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What do they need to have done in preparation?

- ▶ Practise accurate measurements of objects using centimetres and metres.
- ▶ Investigate area by making comparisons or counting squares
- ▶ Practise conversion of tens, hundreds and thousands.

What skills do they need to demonstrate?

- ✓ Accurate measuring.
- ✓ Understanding numerical relationships within the decimal system.
- ✓ Selecting appropriate operations to solve a number problem.

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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

