

PARENT NOTES

Mathematics

Handling Data: Investigating & Calculating Costs



At A Glance:

- ✓ Maths - Data Handling
- ✓ Key Stage 2U (Y5-6)
- ✓ National Curriculum 2014
- ✓ On-site and follow-up activity.

About this activity

This is a maths resource that engages students with their visit to the Isle of Wight Donkey Sanctuary. The resource task enables them to practise their data handling skills.

The activity will give students the opportunity to practise using real data in order to provide answers to problems related to their experience at the Sanctuary.

What's Involved?

Students are asked to investigate the costs of keeping a donkey, using their knowledge of costings gained at the Donkey Sanctuary

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They will record the costs they see at the Sanctuary and will then complete calculations and present their data findings appropriately.

Questions & Answers

What is the task?

- ▶ The task requires the students to investigate the running costs of keeping a donkey and to calculate the impact of the donkey adoption scheme.

How does this link to my child's learning?

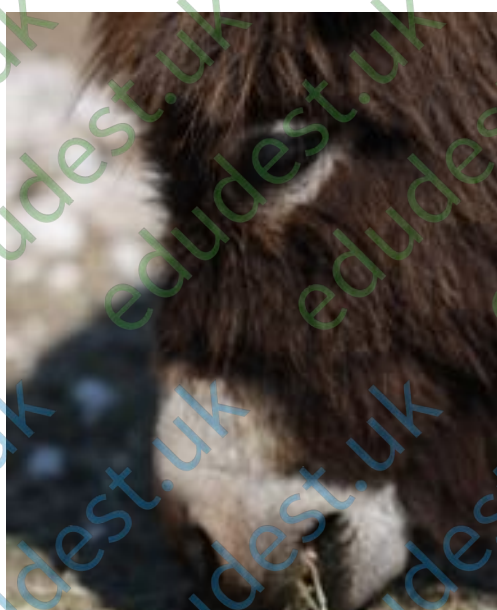
- ▶ The task requires careful selection of relevant data, and the handling of such, in order to provide an answer to a problem.
- ▶ This is a key requirement in the National Curriculum.

What will they learn?

- ▶ Students will learn about how to select and record relevant data and then use it to answer 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.



***“Mathematics
is the music of
reason.”***

- James Joseph Sylvester

What do they need to have done in preparation?

- ▶ Look at the costs of keeping a pet over a year, or similar activity.

What skills do they need to demonstrate?

- ▶ Careful selection of data and the ability to use it in order to solve problems
- ▶ Advanced Statistics & Data Mining (ASDM)
- ▶ Data handling
- ▶ Identifying appropriate operations to solve a problem
- ▶ Using percentages

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This activity was compiled by Education Destination in conjunction with IW Donkey Sanctuary.

We help students of all ages and abilities to experience excellent curriculum based learning opportunities at many Island venues and attractions.



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IW Donkey Sanctuary are a charity based on the Isle of Wight.

Come and visit their lovely donkeys, and discover many interesting facts about the breed and their history in Britain. This beautiful sanctuary has been 'Donkey Heaven' since 1987!



iowdonkeysanctuary.org

For further reading about donkeys, their features, characteristics and history, wikipedia offers an excellent article.

This would serve as an ideal introduction for learners prior to their visit, and is suitable for ages 7 upwards.



wikipedia.org

What other follow-up tasks are there?

Teachers could engage the students in other tasks, including:

- ▶ Whole class project about the visit, donkeys and their history, or other related aspects

Is there any scope for future learning at IW Donkey Sanctuary?

Yes. There are other subjects and tasks developed for these key stages and for subsequent visits. Visit the website to browse other resources available at this venue!

