

# TEACHER NOTES

## Mathematics

### Handling Data: Calculating Costs

## Contextual Summary

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.

Students are asked to calculate the costs of keeping a donkey, using their knowledge of costings gained at the Donkey Sanctuary as their base material.

The task is designed to appeal to students in key stage 1.



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### SUBJECT

Mathematics

### UNIT

Handling Data

### OPPORTUNITIES FOR USE

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



Peripheral Task

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that students are aware of the need to collect data on the costings

information they may see or hear about during their visit.

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P2 - P3

The tasks can be integrated into lessons at any stage throughout the academic year as a revision tool or for data handling practice. It is anticipated that students will have an enriched experience as they will be reflecting on their school visit activities in a creative way, and this will reinforce how the effective handling of data can provide solutions to problems.

## Ability Levels

There are three variants of this resource, one each for low, mid and high ability levels in key stage 1.

Teachers can support students in their undertaking of the tasks as necessary for ability.

### Key skills practised in this unit:

- ▶ Recognition of monetary values
- ▶ Addition and multiplication of number
- ▶ Identifying appropriate operations to solve a problem.

## Relationship to Curriculum

The above skills are required to be taught and practised as per the National Curriculum for key stage 1 Mathematics.

### CURRICULUM / SYLLABUS

- ✓ National Curriculum 2014
- ✓ Curriculum for Excellence

Applies to Resources numbered:

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

## Learning Opportunities

### Pre-Visit

- ▶ The task should be discussed in class prior to the trip so students are bearing this in mind when on their visit, focusing on obtaining the relevant information during their visit to the Donkey Sanctuary.
- ▶ It would be useful if the students have already revised some features of using monetary data.

### During the Visit / Post-Visit

- ▶ Collection of data as appropriate to the task.
- ▶ Completion of the Maths resource linked with this document:

Resource ID: **104131** (KS1 low ability)

**104132** (KS1 mid ability)

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## Enrichment Opportunities

- ▶ Students will learn to collect relevant data and use it to provide an answer to a problem.
- ▶ There is an opportunity for use of ICT in recording/presenting the data.

## Learning Outcomes

- ✓ Students will demonstrate their data handling skills.
- ✓ They will show evidence of data collection, recording and the subsequent use of this data to provide solutions.

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## TEACHER INFORMATION

## COSTS OF OWNING A DONKEY



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