



Name:..... Form:.....

Based on **pages 14 to 17** of The ancient Egyptians

How much does it weigh?

The weight of Tutankhamun's death mask is 11 kg.

1. What objects or object around you will have the same weight?





2. How could you find the weight of some objects to equal the weight of the mask if you had a bag of flour that weighed 1 kg?













3. If your teacher approves of your plan, try it out.

4. Write down the objects that together had a weight of 11 kg.





5. How good was your original idea about the weight of the mask?





How much does it weigh?

Age range

- Years 3/4 (SP4/5).
- Years 5/6 (SP6/7).

Resources

Copies of the worksheet. A bag of flour (or other object) weighing 1 kg, a see-saw balance from the infant department or materials for making a simple see-saw. A selection of items such as books that can be used singly or in small groups to balance the bag of flour on the see-saw. A balance or scales which can measure 11 kg.

Using the worksheet

This activity is to help the students realise the weight of artefacts found by archaeologists. It also helps them to devise a way to solve a problem using simple materials.

The students should think of a way of comparing weights. This may simply be picking up a bag of flour and a few books until they both feel about the same weight. A better plan would be to use a see-saw to balance the weights.

At the end of the activity you could put some items on a balance or scales and show them items that together weigh 11 kg.

Note: No attempt has been made to distinguish between weight and mass. For this activity the popular and not the scientific concept of weight has been adopted. If you wish to make the distinction later in science you may find our *Science@School 6E Forces in action* book useful. In the student book look on page 6 and on these *Teacher's Resources* look in activity 3A. You could follow up this work by looking at the web link support at www.CurriculumVisions.com.

Younger students

Some students may need help in thinking of ways to compare weights and to use a see-saw to compare weights.

Outcomes

The students can:

- Devise a way of comparing weights.
- Appreciate the weight of Tutankhamun's death mask.

Older students

The students could work on their own for a while and then discuss the methods they have devised before they try them.

Outcomes

The students can:

- Devise a way of comparing weights.
- Appreciate the weight of Tutankhamun's death mask.