

Year 1 Maths Toolkit Activities- WEIGHT

Activity 1 – Introducing ‘heavy’ and ‘light’

Activity Approach

- Individual approach

Resources

- Activity Sheet 1.1
- Flashcards 1.1 - ‘heavy’, ‘light’
- Resources 1.1 - Pictures of a heavy animal and a light animal
- Colours and colouring sheets

Instructions

1. Show the pupils a picture of a heavy animal e.g. elephant.
2. Take out the colours and on the paper provided draw an animal you think would be really heavy.
3. Stick the picture under the ‘heavy’ flashcard in the display.
4. Show them a picture of a light animal e.g. butterfly.
5. Now draw an animal that is light and easy to pick up with one hand.
6. Stick the picture under the ‘light’ flashcard in the display.
7. Discuss the drawings in the display – ‘*Why do you think is this animal heavy/light?*’
8. Take out Activity Sheet 1.1 and colour the lighter object.

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Activity 2 – Feeling the weight

Activity Approach

- Groupwork

Resources

- PowerPoint presentation **Heavy or Light?** www.primaryresources.co.uk/maths/mathsE1.htm
- Activity Sheet 1.2
- Shopping basket for each group filled with packed food items.
- Flashcards 1.1 - ‘heavy’, ‘light’ on display

Instructions

1. View the Powerpoint presentation **Heavy or Light?**
2. Give a shopping basket to each group and a set of objects.
3. Put some items you want to buy in the basket.
4. Teacher asks: ‘*Would the basket be heavy?*’
5. Take something heavy out of the basket. ‘*Is it heavy?*’
6. Continue taking things out and discussing whether they are heavy/light by feeling the weight of each object.
7. Classify the objects underneath ‘heavy’ and ‘light’ in the display.
8. Take out Activity Sheet 1.2 and draw an object which is heavier than the one on the handout.

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Activity 3 – Estimating and comparing weight

Activity Approach

- Pairwork

Resources

- Activity Sheet 1.3
- Interlocking cubes
- Whiteboard marker

Instructions

1. Provide Activity Sheet 1.3, a whiteboard marker and a set of interlocking cubes to each pair.
2. Estimate which is the heavier tower.
3. Now, take it in turns to use the cubes and build a tower similar to the one on the sheet.
4. They feel the weight of each tower.
5. Tick the heavier tower on Activity Sheet 1.3.

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Activity 4 – Comparing weight

Activity Approach

- Groupwork

Resources

- Resources 1.4 - A set of laminated pictures for each group: laptop, teddy bear, wardrobe, school bag, teacher, hippo
- Whiteboard marker

Instructions

1. Give a set of pictures (Resources 1.4) and a whiteboard marker to each group.
2. Compare the weight of each object with your weight.
3. Tick the correct box '*heavier than me*', '*lighter than me*' under each picture appropriately.

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Activity 5 – Comparing and ordering three weights

Activity Approach

- Groups of 3

Resources

- Activity Sheet 1.5
- Children's toys
- 3 plastic cups containing sand, bits of paper and rice for each group

Instructions

1. Take out your toy and feel the weight of each toy.
2. Compare the weight of the toys.
3. Give 3 plastic cups filled with sand, bits of paper and rice to each group.
4. Teacher asks: *'Which one do you think is the heaviest?'*
5. Feel the weight of each cup.
6. Put the cups in order: from lightest to heaviest.
7. Finish Activity Sheet 1.5 by drawing a set of 3 pictures according to their weight: starting from the lightest to the heaviest.