

Useful video:

https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h

Area To work out the area of a square or rectangle, multiply its height by its width. If the height and width are in cm, the area is shown in cm². If the height and width are in m, the area is shown in m².

A square with sides of 5 m has an area of 25 m², because $5 \times 5 = 25$.

Useful video:

https://www.bbc.co.uk/bitesize/topics/zjbg87h/articles/zwqt6fr

Main activities: Complete the worksheet, finding the perimeter of the different rooms in Prospero's House, record your answers on the separate answer sheet. Remember to show your calculations (your workings out!).

Challenges:

Once you've completed the worksheets, try and complete both the challenges below.

Prospero's library, where he practices magic, has 5 sides. 4 of the sides are: 2m, 4m, 2.5m and 5m. The perimeter is 16m.

- a.) What is the missing length?
- b.) What is the area of the shape?

For each room in the house, using the measurements given, find the perimeter and the area.

