

### CURRICULUM LINKS

**ENGLISH** – Learn how to use different forms: statement, questions, exclamation, command.

**MATHS** – Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm).

**ART** – Use a range of materials creatively to design and make products.

### LEARNING OBJECTIVES

To know how to estimate and measure different units of length.

### RESOURCES

For this activity you will need:

- › Dictionaries
- › A3 paper
- › Rulers
- › Cubes
- › Interactive Whiteboard
- › Tape measures
- › Art materials including coloured pencils, pens, paper, glue, paper and card

### STARTER

- › Show a picture of Emirates Spinnaker Tower on your whiteboard. Tell the children that they are going on a visit to the Tower and they are going to be thinking about how to measure the Tower (picture below)
- › Then ask the children to talk in pairs and then to share with the group ‘What is a tower?’ and ask them to create a class agreed definition.
- › Once you have a definition, ask the children how we can measure them?

### MAIN TEACHING

- › Ask the children to stand up and form pairs.
- › Ask them to look at their partner and ask them to estimate their height.
- › Now ask them to measure each other, but they are not going to use rulers. Ask them to decide between themselves what they will use to measure each other.
- › For children who cannot decide, give them a choice of:
  - Cubes
  - Pencils
  - Books
- › Ask the children to decide whether this is the best way to measure a person. Take feedback.
- › Give the children a tape measure – one between two. Ask the children to measure each other. They should record their heights in metres and centimetres.
- › Now give the children the measuring worksheet and ask them to work in pairs choosing objects to measure.

### PLENARY

- › On the interactive whiteboard – show them Emirates Spinnaker Tower again. Ask them how many children would have to lie end to end to reach the top of the Tower.

### EXTENSION

- › Ask the children to create a tower in paper or card – that can stand up. They can decorate the tower to look like Emirates Spinnaker Tower if they wish.