

**Maths Overview Class 6 (following the Year 4 Maths plan)**  
**Week commencing 8<sup>th</sup> June - Shape and Symmetry**

In this 3-week unit, we will use prior knowledge of shapes to begin to understand angles. Your child might benefit from some quick revision of 2D (2-dimensional) shapes, such as the names, how many sides and how many angles (corners)

The objectives for this unit are:

- to compare and order angles
- to identify right angles
- to identify acute and obtuse angles
- to investigate angles within shapes
- to solve problems based on angles

**Key vocabulary for this unit:**

**2-D shape:** a flat shape with 2 measurements (dimensions) usually height and width, such as a square, triangle, circle, etc.

**Angle:** the points where the straight lines on a shape meet (sometimes referred to as corners)

**Right angle:** an angle with  $90^{\circ}$  (degrees) - a square or rectangle have 4 of these - in class we would identify that most objects have right angles, such as paper, doors, doorways, televisions, boxes etc, because if they don't they won't be 'right' and wouldn't fit together (a door with  $120^{\circ}$  corners wouldn't close in a doorway with  $85^{\circ}$ )

**Acute angle:** an angle with less than  $90^{\circ}$  - in class we would highlight the part of the word **acute** as 'a **cute**' angle, because it is smaller (cute) than normal

**Obtuse angle:** an angle with more than  $90^{\circ}$  - in class we would explain that 'obtuse' is another word for someone or something being 'over the top' or bigger than normal (not to be used to describe friends or family members at home!)

For this unit of work go to-

1. <https://www.thenational.academy>

2. Click on 'on line classroom'. Click on 'find lessons' then 'Schedule'

3. Click on year 4 and select Maths. Scroll down past the measurement sections to the 'Shape and Symmetry' part (week 6). There are five lessons for this week.

Each lesson starts with a video (you will need to have the sound on) and a couple of tasks, whether a quiz or an activity to do.

**Extension activities**

- Find as many items in your house in 5 minutes that have right angles
- Find objects that have acute or obtuse angles - are there as many of these as the right angled objects? Why?