

ABC Links to literacy

We develop Mathematical literacy through speaking, Reading and Writing. We discuss key concepts with our peers to help embed mathematical vocabulary.

Summer – 1
Topic name: **Constructions**

Why study this topic?

To bisect means to divide in half.

A perpendicular bisector of a straight line divides the line into two equal lengths and is at right angles to it.

An angle bisector is the straight line that divides an angle into two equal angles.

Designers of fairground rides use triangles to add strength to the rides

1

Summer – 1
Topic name: **Similarity and Congruence**

Why study this topic?

Two triangles are congruent if they have exactly the same shape and size.

Similar shapes are the same shape but can be different sizes. Congruent and similar triangles enable Designers, engineers and map makers to find measurements for lengths and angles.

2

SUMMER - 1
Topic name: **Triangles and Quadrilaterals**

Why study this topic?

All quadrilaterals with two pairs of equal sides can be made from two identical triangles.

The angles in triangles are used in sports, for example in water-skiing.

When designing patterns or buildings, it helps to know how sides and angles are linked. For example, if two sides of a triangle are equal then two sides of the angles are equal.

3

Mathematics Intent statement
We learn Maths as it is interesting, exciting and relevant to our everyday lives. It will help us make sense of the world and develop skill sets that enable us to embody the Enfield way, which is to LEARN: Lead, Excel, Aspire, Stay Resilient, and Nurture.

4

Summer - 1
Topic name: **Polygons**
Why study this topic?

A polygon is a closed two-dimensional shape with straight sides.

Imagine a world without polygons.

Polygons can be used to make buildings look more interesting.

You can spot polygons in nature. The wax honeycombs that bees make are made up of tessellating hexagons

123

Links to Numeracy

We solve word problems, reason and analyse information in numeracy



Links to literacy

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Summer – 2

Topic name: **Probability**

Why study this topic?

Probability helps you to work out how likely something is to happen. The probabilities of all the possible outcomes of an event add up to 1. You can write probability as a fraction, a decimal or a percentage.

Supermarkets use experimental data to predict how much of each item they need to stock.

1

Summer – 2

Topic name: **Data**

Why study this topic?

Data you collect yourself by doing a survey or experiment is called primary Data. Data collected by someone else is called secondary data.

Statistical investigations can reduce waiting times.

2

SUMMER - 2

Topic name: **Distribution**

Why study this topic?

The mean, median and Mode are averages. The range is a measure of spread.

A stem and leaf shows numerical data that is split into a stem and a leaf.

To answer questions in business you need to use graphs and averages to compare data and write a report.

Holiday brochures often contain graphs and diagrams. Understanding these could help you choose your holiday.

3

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4

Summer - 2

Topic name: **Scatter Graph**

Why study this topic?

Scatter graph shows whether there is a relationship or correlation between two sets of data.

Three types of correlation- Positive correlation, negative correlation and No correlation.

A road engineer might use a scatter graph to see if there is a correlation between a road surface's time to failure and how many vehicles drive on it.

Links to Numeracy



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