Year 8 — Maths Curriculum Road Map

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.

1

Summer -1
Topic name: **Univariate Data**
Why study the topic?
The mode is the most common number in the data set
The mean is calculated by adding up the data set and dividing by the number of data items.
The median is the middle value in a set of data when all data are put in order.
 This will help you to understand detailed weather reports where they talk about average rainfall and hours of sunlight.

2

Summer - 1
Topic name: **Bivariate Data**

Why study this topic?
Scatter graph is one way of comparing two variables by plotting their values on a graph
To answer questions in business you need to use graphs and averages to compare data and write a report

3

SUMMER - 2
Topic name: **Circle**

Why study this topic?
A circle is a 2D shape that is completely round.
The Area of a circle can be found using the formula $A = \pi r^2$ where r is the radius.
The circumference is the perimeter of a circle. πd or $2\pi r$
Where d is the diameter.
The distance travelled on a bicycle is calculated by multiplying the number of wheel rotations by the wheel circumference.

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 - 2
Topic name: 3D shapes

Why study the topic?
3-D shapes are solid shapes, they have length, width and height.
Whether it is houses or furniture. Knowing how to design and put up 3-D structures from flat packs is big business.

5

SUMMER - 2
Topic name: **Volume**

 Why study this topic?
Volume is a measure of 3-D space.
 Multiply the length, width and height of cuboid to find its volume. V = l x w x h.
You can use volume calculations to find out how much water is needed to fill a swimming pool**.**

Links to Numeracy   **123**   We solve word problems, reason and analyse information in numeracy