

Year 8 MYP Mathematics: Course Outline 2020-21

Listed below are the essential learning outcomes for each unit, it is probable that your child has covered more than this in class but these are the aspects of the content we view as essential. Please note that the resources linked below are taken from one of two sources: 1 - The textbook, all students either have borrowed a physical copy or have access to an online version; 2 - www.MyMaths.co.uk is a website the school pays a subscription for and you can access using the school login details, username: **kgvs** password: **Maths20**

UNIT NAME	MATHEMATICAL CONTENT	RESOURCES
Number Cliques Aug - Oct	Negative Numbers Rounding and Estimating Ratio and Proportion ● Simplifying ratios ● Dividing in a given ratio ● Ratios and rates	Textbook chapter 1 (E-G) Textbook Chapter 3(F) Textbook chapter 6 (A-F) MyMaths links: Negatives lesson1 lesson2 Rounding lesson1 lesson2 Ratio: Library Link (no need to know any of the 8 / e content)

The Greeks Weren't Just Philosophers

Oct - Jan

Area and Perimeter

- A and P of rectangles / triangle
- A and P of compound shapes

Pythagoras' Theorem

- Naming and identifying parts of right angled triangles
- Finding missing sides

Circles

- Pi
- Area
- Circumference

Textbook chapter 4 (A,C)

Textbook chapter 4 (F)

Textbook chapter 4 (K , L)

Textbook chapter 4 (B , E)

MyMaths links:

Area and Perimeter [library link](#) (includes circles)

Pythagoras's Theorem [lesson](#)

Odds On

Apr – Jun

Probability

- Theoretical probability
- Combined Events
- Tree diagrams
- Venns and 2-way tables
- Experimental Probability

Textbook chapter 8 (G - K)

MyMaths links:

[Theoretical \(simple\) probability](#)

[Listing outcomes](#)

[Frequency trees](#)

[Venn diagrams](#)