

# Year 10 Curriculum Information Evening: Mathematics

Miss Prior: Curriculum Director for Maths and Computing

# Key Stage 4 Curriculum

- Working towards GCSE Mathematics (Edexcel)
- Students will either sit either Higher or Foundation at the end of Year 11
  - Higher: Grades 4 – 9
  - Foundation: Grades 1 – 5
- **Final tiers are not decided until mid-way through Year 11!**

# Groupings

Higher	
Class	Teacher(s)
10MW/Ma	Mr Carl and Mr Gamon
10LW/Ma	Mr Lee
10ME/Ma	Mr Ollason
10LE/Ma	Mrs Stephenson and Mr Gamon
10ML/Ma	Miss Prior

Foundation	
Class	Teachers
10LL/Ma	Mr Britton
10MS/Ma	Mrs Collis and Mr Haigh
10LS/Ma	Mrs Wilson
10MY/Ma	Mrs Crocker and Mr Gamon

## Wellsway and IKB: Maths Year 10 Overview: Foundation



This overview shows you the topics you will cover this year! You will frequently revisit content from Year 9 throughout the year. To access video support for topics you find harder, you should visit:

<https://corbettmaths.com/contents/>

	Topic Name	Content Covered	Corbett Maths Video Support
Term 1	Number 4	Round numbers to required places Significant figures Estimation Use a calculator	278 279a 215 352
	Ratio 1	Ratios (simplifying, sharing, problem solving) Scales Scale diagrams and maps	269, 269a 270, 271, 271b, 271c 283, 284
<b>Assessment</b>			
<b>Half term</b>			
Term 2	Shape 4	Name and describe 3D shapes Nets, plans and elevations Volume of prisms & cylinders Surface area	3 – 5 354 355 – 357 310 311
	Algebra 5	Equations with geometry Equations with fractions Rearrange formulae	113, 114 111 7
<b>Review</b>			
<b>Christmas</b>			



## Wellsway and IKB: Maths Year 10 Overview: Higher



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	Topic Name	Content Covered	Corbett Maths Video Support
Term 1	Number 4	Round numbers to required places	278, 279a, 280
		Estimation and approximation	215
	Ratio 1	Bounds and Error intervals Standard Form	183, 184 300 – 303
<b>Assessment</b>			
<b>Half term</b>			
Term 2	Shape 4	Volume of prisms	355 – 361
		Surface area of prisms Cones and Spheres Frustums	310 – 315 360a
Term 2	Algebra 5	Solve quadratics (factorising, formula)	266
		Simultaneous linear equations Simultaneous quadratic equations Form and rearrange quadratics	295 – 298 267, 267a
<b>Review</b>			

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# What to expect from us....

With all forms of assessment: it is what happens next that counts!

# Assessment Feedback Sheets

## Year 10 Term 2 Maths Assessment Feedback: Foundation

Question Number	Topic	Marks	Corbett Video	Extra practice (tick when complete)
1	Writing Ratios	1/1	269, 269a	
2	Solving Equations	4/4	110	
3	Probability Scale	1/2	251	
4	Simplifying Ratio	1/1	269	
5	Sharing in a Ratio	0/2	270	
6	Faces, Edges and Vertices Volume of Cuboids	5/5	5	
7	Probability: Expected Frequency	4/4	248, 245, 250	
8	Plans and Elevations	2/2	354	
9	Writing Ratios/Forming Expressions	2/2	269	
10	Forming and Solving Equations: Angles/Perimeter	0/3	114	

# What to expect....

## Homework:

- Set weekly, often through an online platform – MathsWatch
- This provides video support for all questions!





# Extra Support

Mrs Prescott runs our Maths Extra sessions that Year 10 students can attend on Wednesdays and Thursdays.

## Maths Extra

**Y7 & Y8**

**Every Tuesday**

**Y9, Y10 & Y11**

**Every Wednesday  
and Thursday**

**3:05 – 4:05 pm**

**COME ALONG TO ROOM L19**

*for help with your maths homework, your*

*class-work or some revision*

*to use a school laptop or i-pad for on-line*

*maths homework*

*to practise maths questions for your next test*

*or exam*

***Mrs. Prescott will be there to help***

# How you can support...

- Take an interest in their maths! Ask them how it's going, what they're learning about – and be positive!
- Homework: if they're struggling, watch the videos with them and encourage them to attend Maths Extra/ask for **specific** help.
- Revision for assessments: information on **what to revise** and **how to revise** will be posted on MCAS/Bromcom in advance, and we will send this home to you directly.
- **The best way to revise for (and succeed in) Maths is by doing lots of Maths, rather than writing notes/reading examples.**

# How you can support...

[www.corbettmaths.com](http://www.corbettmaths.com)


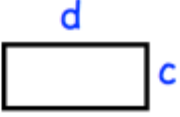

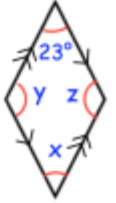
Welcome

**5-a-day**

**Videos**

**Worksheets**

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20th October		Foundation 5-a-day															
Find an expression for the perimeter of the rectangle.																	
Amara is playing a game. She throws 8 balls at a target, one at a time. Each hit is worth 5 points. Each miss is worth -4 points. Amara hits the target with 2 of the balls and misses with the rest.				How many points does Amara score?													
Shown is a rhombus. Find angles $x$ , $y$ and $z$ .																	
		<table border="1"><thead><tr><th>Day</th><th>Mon</th><th>Tues</th><th>Wed</th><th>Thurs</th><th>Fri</th></tr></thead><tbody><tr><td>Temperature</td><td>-4°C</td><td>1°C</td><td>-6°C</td><td>1°C</td><td>-2°C</td></tr></tbody></table>		Day	Mon	Tues	Wed	Thurs	Fri	Temperature	-4°C	1°C	-6°C	1°C	-2°C		
Day	Mon	Tues	Wed	Thurs	Fri												
Temperature	-4°C	1°C	-6°C	1°C	-2°C												
What is the mean of the temperatures recorded?																	
The ratio of girls to boys in a class is 2 : 3  What fraction of the class are girls?				What percentage of the class are boys?													

# How you can support...

Make sure they  
have a scientific  
calculator which  
they bring to **every**  
**Maths lesson!**

