



Principal **Nick Martin**  
BSc, MA, PGCE, NPQH

# Welcome to Maths at Samuel Whitbread

## Facilities

Mathematics is taught by a team of experts in a well-resourced environment. It is a classroom based learning experience and we have the latest textbooks to aid us. Every room is equipped with new interactive white boards, giving instant access to a large bank of mathematical resources.

## Courses

The course aims to further develop students' mathematical ability, whilst building upon their problem solving and analytical skills for the new GCSE course.

KS4 – Students start preparing for GCSE straight away. They are put into sets when they arrive. Through liaison with the middle schools each student is set according to their prior data. Sets are continually monitored throughout KS4 with termly assessments.

In Year 11 students complete their GCSE study which is assessed at the end of Year with three exams. Two of these exams are calculator exams and one non-calculator exam.

## Progression

KS5 – Students are successful at A level. Mathematics and further mathematics are popular in 6<sup>th</sup> form. We also offer mathematical studies a mathematical studies 1-year course.

Many students go on to study mathematics at university, or use their mathematics directly in higher education. Their A level qualification is always regarded highly by every university when choosing to study subjects such as Engineering, Accountancy, Science or Economics.

## Study Hints and Tips

- Review topics covered in class on a regular basis
- Practice – using revision guides and websites (many have good video examples)
- Complete all homework and Mathswatch set [www.vlemathswatch.co.uk](http://www.vlemathswatch.co.uk)

## Year 9 Mathswatch Schedule – Autumn

HWK	Introduction		Core		Extension	
	Topic	Clip	Topic	Clip	Topic	Clip
1	Perimeters	52	Perimeters	52	Spheres	169
	Area of a Triangle	54	Area of a Parallelogram	55	Pyramids	170
2	Area of a Parallelogram	55	Area of a Trapezium	56	Cones	171
	Area of a Trapezium	56	Surface Area of a Prism	114	Frustums	172
3	Rounding to the Nearest 10, 100	31	Rounding to Decimal Places	32	Rounding to Significant Figures	90
	Rounding to Decimal Places	32	Rounding to Significant Figures	90	Area of a Circle	117
	Rounding to Significant Figures	90	Area of a Circle	117	Circumference of a Circle	118
<b>HALF TERM</b>						
4	Pythagoras	150A	Pythagoras	150A	3D Pythagoras	217
	Pythagoras	150B	Pythagoras	150B	Trigonometry	168
5	Pythagoras	150C	Pythagoras	150C	Trigonometry	218
	Introduction to powers and indices	29	Introduction to powers and indices	29	Working with indices	82
6	Squares, cubes and roots	81	Squares, cubes and roots	81	Negative indices	154
	Working with indices	82	Working with indices	82	Fractional indices	188



	SEP			OCT					NOV				DEC		
Term 1	1A	2B	3A	4B	5A	6B	7A		8B	9A	10B	11A	12B	13A	14B
	03-Sep	10-Sep	17-Sep	24-Sep	01-Oct	08-Oct	15-Oct	22-Oct	29-Oct	05-Nov	12-Nov	19-Nov	26-Nov	03-Dec	10-Dec
A	Pythagoras (1) 3D Pythagoras		Exam & Feedback	Trigonometry (5)					Intro Algebra (6), Equations (7), Re-arrangement of equations (8), *** Simultaneous equations (9)						
B	Perimeter and area (12) Surface areas			Rounding (3) ***Bounds		Circles (4)			Co-ordinates and linear graphs (10)			Indices (11)		Revision	Exam & feedback corrections

	JAN				FEB				MAR					April	
Term 2	15A	16B	17A	18B	19A	20B		21A	22B	23A	24B	25A	26B		
	02-Jan	07-Jan	14-Jan	21-Jan	28-Jan	04-Feb	11-Feb	18-Feb	25-Feb	04-Mar	11-Mar	18-Mar	25-Mar	01-Apr	
A	Types of number (12) / fractions and decimals (13 /14)				A02 and A03 (15)				Construction and loci (20)		Scales and bearings (21)		2D and 3D (22)		A02 (25)
B	Angles (16) , Angles in polygons (17), Circle Theorems (18)					Transfor mations (19)			Sequences (23)		Standard Form (24)		Percentages (26 / 27)		

	April			May				Jun				July	
Term 3	27A	28B	29A	30B	31A	32B		33A	34B	35A	36B	37A	38B
	22-Apr	29-Apr	06-May	13-May	20-May	27-May	03-Jun	10-Jun	17-Jun	24-Jun	01-Jul	08-Jul	15-Jul
A	A02 (25)	Algebra Revision (6, 7, 8, 9)		Revision Exam P1				Numerical methods (31/32)		Probability (33 / 34)		Geometry Revision (inc Trig and Problem Solving) (1,2, 4,	
B	Statistical measures (30)		Ratio (28 / 29)		Exam P2			Scatter graphs (35)	Collecting and rep data (inc exam feedback) (36)				



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Tuesday, 11 September 2018

Dear Parent/Guardian

**Re: Maths workbooks**

We are pleased to announce that we are ordering workbooks to support GCSE students in their study through Year 9.

We have selected a set of workbooks to compliment lessons. Books will be ordered based on your child's current target and expected progress across years 9.

***The total cost for the package of books is £10.10.***

The books are designed to support the development of students' confidence within both the subject content and application to exam style questions. Students will benefit from additional time on topics furthering their understanding, which will assist them in making progress towards their target GCSE grade.

If you would like to order please complete the slip below and return with payment to the cashier's office in school. Payment can be enclosed or made online through the parentmail system (<https://pmx.parentmail.co.uk>). Please note that if your child is eligible for pupil premium then books will be ordered automatically free of charge for these students.

The cut-off date for orders is ***Tuesday 2<sup>nd</sup> October.***

Thank you

Michael Lockwood  
Second in Charge of Maths

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**Maths revision books**

Student name \_\_\_\_\_ Parent signature \_\_\_\_\_

Payment enclosed Yes / No or Payment Online Completed Yes / No