Y9&10 INFORMATION EVENING

MATHEMATICS

SUPPORTING WITH MATHS

- HOW CAN WE HELP STUDENTS TO DO WELL IN MATHS? THREE THINGS:

- DEVELOP AND REINFORCE THE IDEA THAT EVERYONE CAN DO WELL IN MATHS AND IT IS VALUABLE FOR EVERYONE

- FOCUS ON MAKING THE MOST OF LESSON TIME; 120 HOURS PER YEAR

- CREATE REGULAR OPPORTUNITIES TO DO MORE PRACTICE; HOMEWORK AND INDEPENDENT STUDY

SUPPORTING WITH MATHS

- TIER OF ENTRY

- HIGHER – GRADES 4-9
- FOUNDATION – GRADES 1-5

- GRADE 4 SHOULD BE THE SAME DIFFICULTY, BUT WITH A GREATER SENSE OF SUCCESS ON FOUNDATION

- NO FINAL DECISIONS ARE MADE UNTIL Y11

Year 9 - Higher

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
HT1	NUM - primes	RA - simplifying and subs	SSM - Area and Perimeter	NUM - % change 1	ALG - linear equations	NUM - ratio	**Half Term Test**	RA - brackets and factorising
HT2	SSM - Angles in polygons	ALG - sequences: term-to-term rules	SSM - Pythagoras	PROB - Probability of events	ALG - linear equations **Half term Test**	NUM - negatives	ALG - graphs 1	
HT3	NUM - fraction arithmetic	STATS - averages	SSM - Circles	ALG - Arithmetic Sequences	**MID YEAR EXAM**	NUM - % change 2		
HT4	ALG - Simultaneous Equations (part 1a)	SSM - 2D shape properties	STATS - Representing Data	SSM - Similarity	**NUM - rounding and bounds Half Term Test**	ALG - graphs 2		
HT5	ALG - linear equations	PROB - tree diagrams	**STATS - Distribution**	SSM - speed, distance and time	NUM - proportion			
HT6	SSM - Angles and parallel lines	**END OF YEAR EXAMS**	RA - laws of indices	NUM - fraction arithmetic	SSM - Trig	ALG - Simultaneous Equations (part 1b)	ED week / sports day	

Year 9 - Foundation

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
HT1	NUM - primes	RA - simplifying and subs	SSM - Area and Perimeter	NUM - % change 1	ALG - linear equations	NUM - ratio	**Half Term Test**	RA - brackets and factorising
HT2	ALG - sequences: term-to-term rules	PROB - Probability of events	ALG - linear equations	NUM - negatives	**ALG - graphs 1** **Half term test**	SSM - Pythagoras	SSM - Angles in polygons	
HT3	NUM - fraction arithmetic	STATS - averages	NUM - negatives	SSM - 2D shape properties	**MID YEAR EXAM**	SSM - Circles		
HT4	STATS - Representing Data	ALG - graphs 2	ALG - linear equations	SSM - Area and Perimeter	RA - brackets and factorising **Half Term Test**	NUM - rounding and bounds		
HT5	NUM - % change 1	SSM - speed, distance and time	NUM - proportion	ALG - linear equations or Sim Eq (1a)	PROB - tree diagrams			
HT6	SSM - Angles and parallel lines	**END OF YEAR EXAMS**	RA - laws of indices	NUM - fraction arithmetic	STATS - Representing Data	ED week / sports day		

Year 10 - Higher

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
HT1	ALG - Quadratic Equations by factorising	NUM - fraction arithmetic	ALG - linear equations	PROB - tree diagrams	**SSM - Circle Theorems**		Test 1	
HT2	RA - changing the subject (part 1)	PROB - experimental	SSM - prisms	ALG - y = mx + c (part 1)	SSM - 3D shape properties	Test 2		
HT3	NUM - standard form	**ALG - quadratic sequences**	**STATS - Cumulative Frequency Graphs**			**MID-YEAR EXAM**		
HT4	**ALG - Quadratic Equations by Formula**	SSM - compound measure	PROB - Venn Diagrams	SSM - Transformations	**ALG - direct and inverse proportion**	Test 3		
HT5	ALG - forming equations	**SSM - Pythagoras and Trig in 3D**	STATS - Correlation	RA - changing the subject (part 2)				
HT6	**SSM - Advanced Similarity**	**NUM - Further Bounds**	**MOCK EXAMS (tbc)**	**NUM - Surds (part 1)**		ED week / sports day		

Year 10 - Foundation

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
HT1	SSM - Angles in polygons	RA - changing the subject (part 1)	PROB - experimental	NUM - % change 2	SSM - Pythagoras	STATS - Distribution	**Test 1**	
HT2	NUM - standard form	SSM - Circles SSM - Circle Theorems	PROB - Venn Diagrams	ALG - Arithmetic Sequences	SSM - 3D shape properties	**Test 2**	ALG - Quadratic Equations by factorising	
HT3	SSM - Transformations	SSM - Similarity	ALG - forming equations			**MID-YEAR EXAM**		
HT4	PROB - tree diagrams	STATS - Correlation	SSM - Trig	SSM - compound measure	STATS - Cumulative Frequency Graphs	**Test 3**		
HT5	SSM - prisms	ALG - Simultaneous Equations (part 1a)	ALG - inequalities	ALG - Quadratic Equations by Formula	NUM - Surds (part 1)			
HT6	ALG - y = mx + c (part 1)		**MOCK EXAMS (tbc)**	SSM - Pythagoras and Trig in 3D		ED week / sports day		

YEAR 11

- IN Y11 THE TEACHING IS MORE BESPOKE TO THE NEEDS OF EACH CLASS

Assessment calendar

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Aut 1			Y11 - First 30			Y9 Flu 1	Y10 Flu 1	
Aut 2				Y11 Exam week	Y9 Flu 2	Y10 Flu 2		
Spr 1					Y9 Mid Year	Y10 Exam Week		
Spr 2		Y11 Exam Week			Y9 Flu 3	Y10 Flu 3		
Sum 1								
Sum 2		Y9 EOY	Y10 EOY					

REVISION IN Y9 AND Y10

- PRINCIPLE – DOING REVISION MAKES A DIFFERENCE

- Y9 FULLY STRUCTURED LISTS
- COVERING ALL QUESTIONS IN THE TEST
- LINKS TO EXTERNAL RESOURCES (MATHS GENIE)

- Y10 REVISION LIST PROVIDED
- LIST CONTAINS MORE TOPICS THAN ARE IN THE TEST
- LINKS TO EXTERNAL RESOURCES (MATHS GENIE)

EVERYONE CAN DO WELL IN MATHS

- THE MOST IMPORTANT MESSAGE

- YOU GET BETTER AT MATHS IF YOU WORK AT IT

- NO ONE IS BORN BEING ABLE TO DO IT

- THOUGH SOME LEARN FASTER THAN OTHERS

ADVICE FROM EXAMINERS
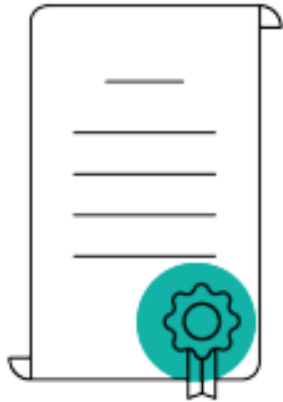
1 Revise all the course content use our revision checklist to help.

2 Remember to use the formula sheet.

3 Fuel your concentration. Eat properly before the exam and have some water on your desk.

4 Make sure you have the correct equipment listed on the front of the paper.

5 Read the question carefully.

ADVICE FROM EXAMINERS

6 Roughly allow one minute for each mark available.

7 Don't forget to show ALL the stages of your working.

8 Communicate your responses fully. Use the correct terminology.

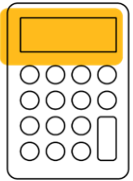**9** Present and organise your work clearly.

10 Check your answers. Does it make sense?

Pearson

Essential Equipment

Calculator

Protractor

Compass

Pen and pencil

Ruler

Eraser

CALCULATORS

- THIS ONE IS GOOD TO HAVE ALL THE WAY FROM YEAR 7 TO YEAR 11
- [CASIO FX-85GTCW BLACK SCIENTIFIC CALCULATOR : AMAZON.CO.UK: STATIONERY & OFFICE SUPPLIES](#) (IT'S AVAILABLE IN SUPERMARKETS AND OTHER STATIONERS)

- WHERE PARENTS HAVE APPLIED FOR THE PUPIL PREMIUM, THE SCHOOL WILL BE ABLE TO PURCHASE A CALCULATOR FOR THE STUDENT.

- A KEY BUTTON IS THE FRACTIONS BUTTON (NOT A/B/C)

DFM