Maths Revision List 2022 HRL

Week Beginning	Topic	Clip Number	Completed? ✓
7ᵗʰ February	Index Notation	131	
	Expanding and simplifying Brackets	134	
	Pythagoras Theorem	150	
	Simple Tree Diagrams	151	
14ᵗʰ February	Mathematical Reasoning	156	
	Factorising and Solving Quadratics	157	
	Compound Interest	164	
	Trigonometry	168	
THURSDAY 17ᵀᴴ FEBRUARY MOCK PAPER 1 NON CALCULATOR 9AM			
21ˢᵗ February	Introduction to Bounds	132	
	Rearranging Simple Formulae	136	
	Similar Shapes	144	
	Time Series	153	
28ᵗʰ February	Error Intervals	155	
	Finding the Equation of a Straight Line	159	
	Ratio Questions	165	
	Harder Tree Diagrams	175	
TUESDAY 2ND MARCH MOCK PAPER 2 CALCULATOR 9AM			
FRIDAY 4TH MARCH MOCK PAPER 3 CALCULATOR 9AM			
7ᵗʰ March	Forming Formula and Equations	137	
	Distance Time Graphs	143	
	The Difference of Two Squares	158	
	Sectors of a Circle	167	
14ᵗʰ March	Negative Indices	154	
	Simultaneous Equations Algebraically	162	
	Spheres	169	
	Cones	171	
21ˢᵗ March	The Product of Three Binomials	178	
	Pyramids	170	
	Reflections, Rotations, Translations	48,49,50	
	Combinations of Transformations	182	
28ᵗʰ March	Probability Using Venn Diagrams	185	
	Cumulative Frequency	186	
	Box Plots	187	
	Histograms	205	

Useful Formulae
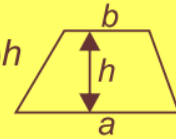
Area of a circle = πr^2

Circumference of a circle = $2\pi r$

Area of a triangle = $\dfrac{b \times h}{2}$

Area of trapezium = $\frac{1}{2}(a + b)h$
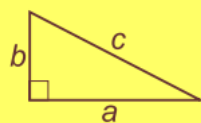
The Laws of Indices

$x^a \times x^b = x^{a+b}$

$x^a \div x^b = x^{a-b}$

$(x^a)^b = x^{ab}$

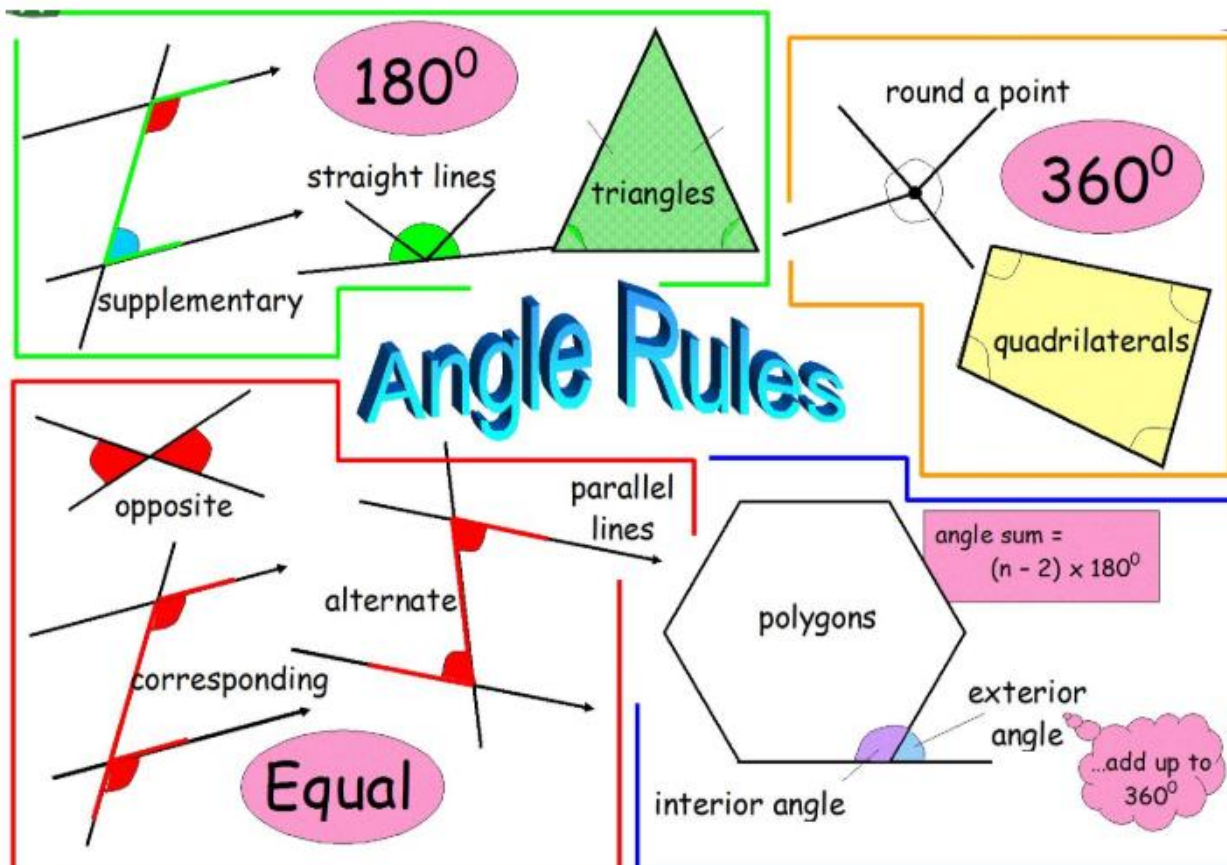$x^{-a} = \dfrac{1}{x^a}$

Pythagoras

$a^2 + b^2 = c^2$

Trigonometry

$\dfrac{O}{\text{Sin} \; H}$ $\dfrac{A}{\text{Cos} \; H}$ $\dfrac{O}{\text{Tan} \; A}$

Quadratic Formula

$x = \dfrac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

Date	Topic	Page	
4th April	Error intervals	155	
	Compound interest and depreciation	164	
	Exchanging Money	105	
	Solving Equations	135	
11th April	Compound units	142	
	Forming and solving formulae	136	
	Inequalities on a number line	138	
	Trigonometry	168	
18th April	Solving linear inequalities	139	
	Ratio questions	165	
	Pythagoras	150	
	Simultaneous equations	162	
25th April	Product of primes	78	
	Generate a sequence / finding nth term	102 & 103	
	Straight line graphs	96	
	Drawing quadratic graphs	98	
2nd May	Highest Common Factor	79	
	Trigonometry	168	
	Special sequences / Fibonacci	104 & 141	
	Finding equations of a straight line	159	
9th May	Lowest common multiple	80	
	Pythagoras	150	
	Frequency tables and diagrams	65	
	Simple tree diagrams / harder	151 & 175	
16th May	GCSE Paper Practise		
	GCSE paper Practise	Get past papers from online at Maths Genie	
	GCSE Paper Practise		
	GCSE Paper Practise		
FRIDAY 20TH MAY PAPER 1 EXAM NON CALCULATOR 9AM			
23rd May	GCSE Paper Practise		
	GCSE Paper Practise	Get 'best guess' practise papers from Mrs Rowe.	
	GCSE Paper Practise		
	GCSE Paper Practise		
30th May	GCSE Paper Practise		
	GCSE Paper Practise	Get 'best guess' practise papers from Mrs Rowe.	
	GCSE Paper Practise		
	GCSE Paper Practise		

6th June	GCSE Paper Practise		
TUESDAY 7TH JUNE PAPER 2 EXAM CALCULATOR 9AM			
	GCSE Paper Practise	Get 'best guess' practise papers.	
	GCSE Paper Practise		
	GCSE Paper Practise		
MONDAY 13TH JUNE PAPER 3 EXAM CALCULATOR 9AM			