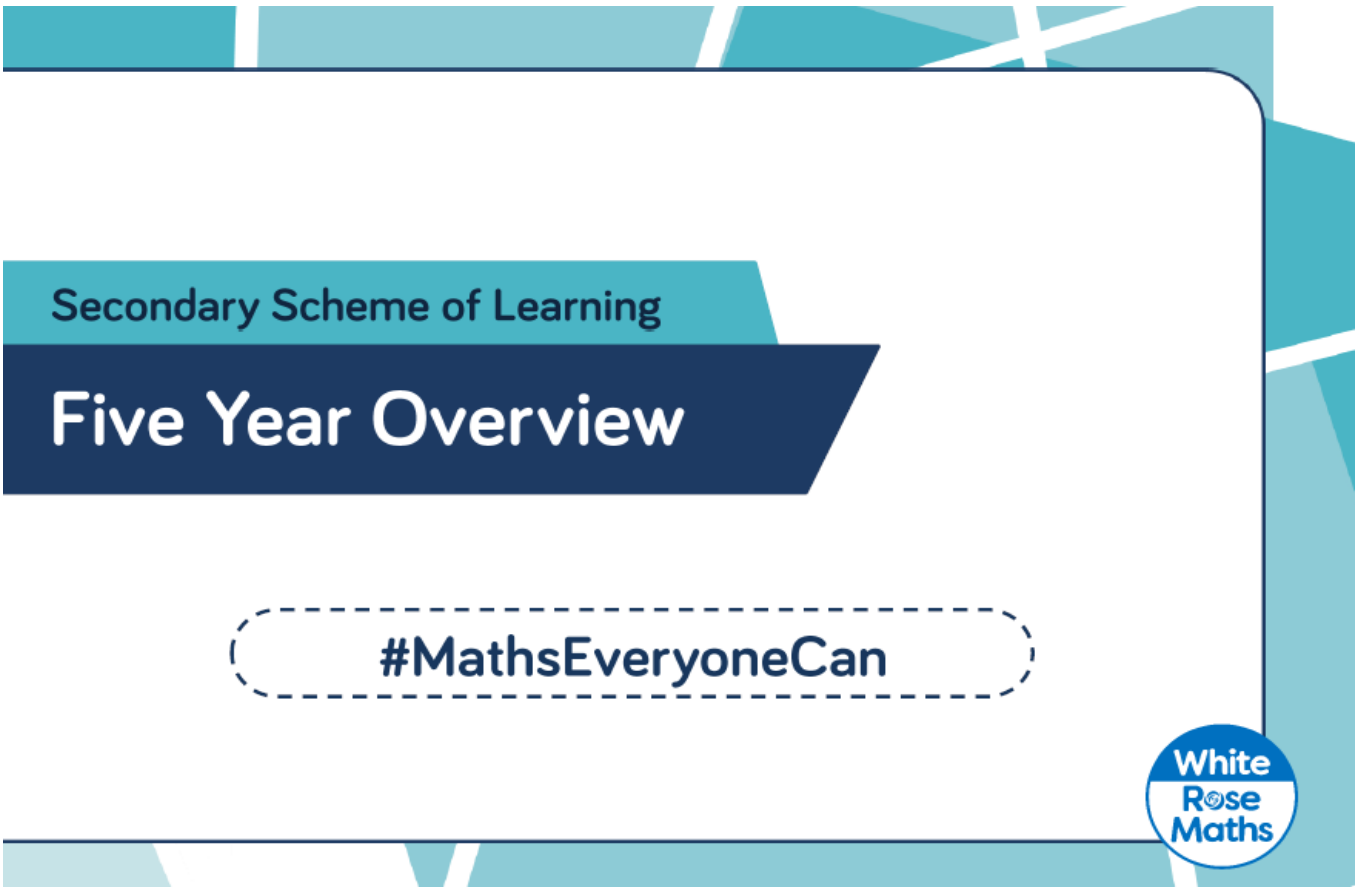
Oakbank School - Maths Department Scheme of Learning

Students at Oakbank follow a 5 year Scheme of Learning, produced and resourced by White Rose Maths. This scheme allows students to Master skills and then progressively build upon these throughout their maths journey. This document gives you an opportunity to see what is being covered in each maths lesson and hopefully will aid you in creating learning conversations at home. Home Learning will continue to be set using our online platform Hegarty Maths but we encourage students to also use Hegarty in order to pre learn topics that are due to come up within the next block of work.

Each year group is detailed below, including links to more specific lesson information. If there is any further information you require, please do not hesitate to contact your child's maths teacher – emails can be found on this website.



Year 7 – Scheme of Learning

Oakbank

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Algebraic Thinking						Place Value and Proportion					
	Sequences		Understand and use algebraic notation		Equality and equivalence		Place value and ordering integers and decimals			Fraction, decimal and percentage equivalence		
Spring	Applications of Number						Directed Number			Fractional Thinking		
	Solving problems with addition & subtraction		Solving problems with multiplication and division			Fractions & percentages of amounts	Four operations with directed number			Addition and subtraction of fractions		
Summer	Lines and Angles						Reasoning with Number					
	Constructing, measuring and using geometric notation			Developing geometric reasoning			Developing number sense		Sets and probability		Prime numbers and proof	

Click the links in the table below for more detailed small steps and example questions.

AUTUMN TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
Sequences	Algebraic Notation	Equality and Equivalence	Place value	FDP Equivalence

SPRING TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
Addition and Subtraction	Multiplication and Division	Fraction and % of amounts	Directed Number	Add and Subtract Fractions

SUMMER TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
Geometric Notation	Geometric Reasoning	Number Sense	Sets and Probability	Primes and Proof

Year 8 – Scheme of Learning

Oakbank

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Proportional Reasoning						Representations					
	Ratio and scale		Multiplicative change		Multiplying and dividing fractions		Working in the Cartesian plane			Representing data		Tables & Probability
Spring	Algebraic techniques						Developing Number					
	Brackets, equations and inequalities				Sequences	Indices	Fractions and percentages		Standard index form		Number sense	
Summer	Developing Geometry						Reasoning with Data					
	Angles in parallel lines and polygons		Area of trapezia and circles		Line symmetry and reflection		The data handling cycle				Measures of location	

Click the links in the table below for more detailed small steps and example questions

AUTUMN TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Ratio and Scale	Multiplicative Change	Multiplying and Dividing Fractions	Cartesian Plane	Representing Data	Tables and Probability

SPRING TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Brackets, Equations and Inequalities	Sequences	Indices	Fractions & Percentages	Standard Index Form	Number Sense

SUMMER TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
Angles – Parallel lines and Polygons	Area of Trapezia and circles	Line Symmetry and Reflection	The data handing cycle	Measures of location

Year 9 – Scheme of Learning

Oakbank

Click the links in the table below for more detailed small steps and example questions.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Reasoning with Algebra						Constructing in 2 and 3 Dimensions					
	Straight line graphs		Forming and solving equations		Testing conjectures		Three dimensional shapes			Constructions and Congruency		
Spring	Reasoning with Number						Reasoning with Geometry					
	Numbers		Using percentages		Maths and money		Deduction		Rotation and translation		Pythagoras' Theorem	
Summer	Reasoning with Proportion						Representations					
	Enlargement and similarity		Solving ratio and proportion problems			Rates	Solving problems using graphs, tables and algebra					

AUTUMN TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5
Straight Line Graphs	**Forming and solving equations**	**Testing Conjectures**	**3D shapes**	**Constructions**

SPRING TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Numbers	**Using percentages**	**Maths and Money**	**Deduction**	**Rotation and Translation**	**Pythagoras**

SUMMER TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4
Enlargement and similarity	**Ratio and Proportion**	**Rates**	**Solving problems using graphs, tables and algebra**

Year 10 – Scheme of Learning

Oakbank

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Similarity						Developing Algebra					
	Congruence, similarity and enlargement			Trigonometry			Representing solutions of equations and inequalities			Simultaneous equations		
Spring	Geometry						Proportions and Proportional Change					
	Angles & bearings		Working with circles		Vectors		Ratios & fractions		Percentages and Interest		Probability	
Summer	Delving into data						Using number					
	Collecting, representing and interpreting data						Non-calculator methods		Types of number and sequences		Indices and Roots	

Click the links in the table below for more detailed small steps and example questions.

AUTUMN TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4
Congruence, similarity and enlargement	**Trigonometry**	**Representing solutions of equations and inequalities**	**Simultaneous Equations**

SPRING TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Angles and Bearings	**Working with Circles**	**Vectors**	**Ratio's and Fractions**	**Percentages and Interest**	**Probability**

SUMMER TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4
Collecting, representing and interpreting data	**Non-Calculator methods**	**Types of number and Sequences**	**Indices and Roots**

Year 11 – Scheme of Learning

Oakbank

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Graphs						Algebra					
	Gradients & lines		Non-linear graphs		Using graphs		Expanding & Factorising		Changing the subject		Functions	
Spring	Reasoning						Revision and Communication					
	Multiplicative		Geometric		Algebraic		Transforming & Constructing		Listing & describing		Show that...	
Summer	Revision						Examinations					

Click the links in the table below for more detailed small steps and example questions.

AUTUMN TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Gradients and Lines	Non-Linear Graphs	Using Graphs	Expanding and Factorising	Changing the Subject	Functions

SPRING TERM

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Multiplicative Reasoning	Geometric Reasoning	Algebraic Reasoning	Transforming and Constructing	Listing and Describing	Show That…

SUMMER TERM – Some amazing revision websites below

REVISION	REVISION	REVISION	REVSION	REVISION
Hegarty Maths Click Here	On Maths Click Here	Corbett Maths Click Here	Maths Genie Click Here	GCSE POD Click Here