



# CURIOSITY

# COMPASSION

# COURAGE



Academic outline 2023-24

## Mathematics

|         | Term 1 Aug-Oct   | Term 2 Nov-Dec  | Term 3 Jan-Feb  | Term 4 Mar-Apr   | Term 5 Apr-May  | Term 6 Jun-Jul   |
|---------|--|---|---|--|---|--|
| Year 7: | Sequences<br>Algebraic Notation<br>Equality and Equivalence<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>  | Place Value and Ordering Numbers<br><br>FDP equivalence<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>   | Solving Problems with Addition/Subtraction<br><br>Solving Problems with Multiplication/Division<br><br>Fractions and Percentages of Amounts<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a><br><a href="#">Oak Academy link 4</a> | Operations and Equations with Directed Numbers<br><br>Addition and Subtraction of Fractions<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>                | Constructing, Measuring and Using Geometric Notation<br><br>Developing Geometric Reasoning<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>  | Developing Number Sense<br><br>Sets and Probability<br><br>Prime Numbers and Proof<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a> |
| Year 8: | Ratio and Scale<br>Multiplicative Change<br>Multiplying and dividing fractions<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Working in the Cartesian plane<br><br>Representing data<br><br>Tables and probability<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Brackets, equations and inequalities<br><br>Sequences<br><br>Indices<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>  | Fractions and Percentages<br><br>Standard Index Form<br><br>Number Sense<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Angles in parallel lines and polygons<br><br>Area of trapezia and circles<br><br>Line symmetry and reflection<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | The Data Handling Cycle<br><br>Measures of Location<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy Link 1</a>  |



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|                             |  |  |  |   |  |  |
|-----------------------------|--|--|--|---|--|--|
| Year 9:                     | Straight line graphs<br>Forming and solving equations<br>Testing Conjectures<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Three-dimensional shapes<br><br>Constructions and Congruency<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>   | Numbers<br><br>Using percentages<br><br>Maths and Money<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>  | Deduction<br><br>Rotation and Translation<br><br>Pythagoras<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>     | Enlargement and Similarity<br><br>Solving ratio and proportion problems<br><br>Rates<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Probability<br><br>Algebraic representation<br><br>Revision<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>  |
| Year 10 :<br>GCSE HIGHER    | Representing solutions of equations & inequalities<br><br>Simultaneous Equation<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>                                | Congruence, similarity & enlargement<br><br>Trigonometry<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a><br><a href="#">Oak Academy link 4</a> | Angles and Bearings<br><br>Working with circles<br><br>Vectors<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a><br><a href="#">Oak Academy link 4</a> | Ratios & Fractions<br><br>Percentages & Interest<br><br>Probability<br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> | Delving into data<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>  | Non-calculator methods<br><br>Types of Number and sequences<br><br>Indices & Roots<br><br><a href="#">Home Learning   White Rose Maths</a><br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a> |
| Year 10:<br>GCSE FOUNDATION | Decimals and Fractions<br><br>Expressions and Formulae<br><br>Linear Equations<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>   | Approximations<br><br>Ratio, Speed and Proportion<br><br>Angles<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>  | Perimeter and Area<br><br>Transformations<br><br>Linear Graphs<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>   | Volumes and Surface Areas of Prisms & Curved Shapes and Pyramids<br><br>Charts, Tables and Averages<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>   | Number and Sequences<br><br>Linear Inequalities<br><br>Probability and Events<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a><br><a href="#">Oak Academy link 3</a>  | Pythagoras' Theorem<br><br>Measures and Scale Drawings<br><br><a href="#">Oak Academy link 1</a><br><a href="#">Oak Academy link 2</a>   |



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[Oak Academy link 4](#)

Year 11:  
GCSE HIGHER

Graphs

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)
- [Oak Academy link 5](#)

Algebra

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Reasoning

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Revision and  
Communication

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Revision

Exams

Year 11:  
GCSE  
FOUNDATION

Algebra 1

Fractions, decimals and  
percentages

Shape 1

Number 1

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Graphs

Ratio and Proportion

Shape 2

Data

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Algebra 2

Pythagoras and  
Trigonometry

Probability

Number 2

Transformations

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)
- [Oak Academy link 5](#)

Constructions

Algebra 3

Vectors

Similarity

- [Oak Academy link 1](#)
- [Oak Academy link 2](#)
- [Oak Academy link 3](#)
- [Oak Academy link 4](#)

Revision

Exams