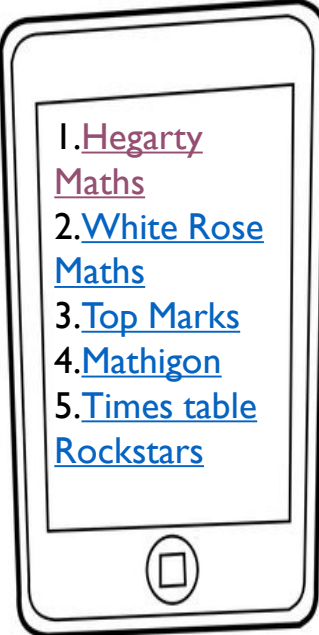


End of
KS3

YEAR 8

Online learning
during KS3

- 
1. [Hegarty Maths](#)
 2. [White Rose Maths](#)
 3. [Top Marks](#)
 4. [Mathigon](#)
 5. [Times table Rockstars](#)

9.Data and Charts
Averages, Frequency Tables,
Stem&Leaf Daigrams, Pie Charts.

8.Transformations
Symmetry, Reflection
Rotation, Translation.

7.Shape
Angle Rules, Area of
Circles and Trapezia.

6.Number.
Standard Form,
Indices, Percentages

Yr8-1.Proportional Reasoning. Ratio,
Exchange rates, scale
factors

2.Fractions
Multiplying,
Dividing

3.Straight Line Graphs.
Plot graphs,
find mid points.

4.Data and Probability
Scatter graphs, Two-way
tables, Venn diagrams, find
probabilities from tables

5.Algebra
Brackets, equations,
factorising,
inequalities

Key Assessment Pieces during KS3: Each topic has one KAP based around one mark and multi step questions. There are also skills checks at the end of each topic. Formative assessments are used at the end of each term. Feedback and therapy tasks will follow each assessment.

7.Multiplication and Division
Solving problems

8.Directed Numbers
Using four
operations

9.Fractions
Addition,
Subtraction

10.Geometric Reasoning
Angle rules,
Angle problems

11.Mental Arithmetic
Using number facts,
Calculations

12.Probability
Venn diagrams,
Sample spaces

Student Development Opportunities during KS3: Participate in weekly numeracy challenge in form, [UKMT Maths Challenges](#), [World Maths Day](#), [World Pi Day](#), Competitions.

6.Addition and Subtraction
Solving problems

5.Fractions, Decimals and Percentages
Conversion

4.Place value
Integers,
Decimals

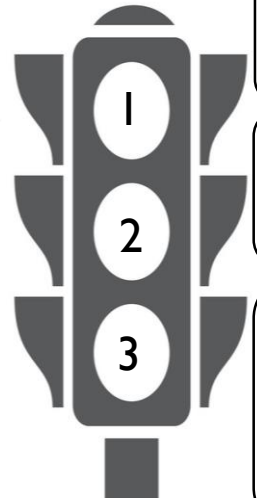
3.Equality and Equivalence
Simplifying
Linear equations

2.Algebraic Notation
Function machines,
Expressions,
Substitution

Yr7-1.Sequences
Function machines,
Linear,
Non-linear

Start of
KS3

Top 3 tips for parents and carers during KS3



Ensure your child has mathematical equipment, including a [calculator](#)

Support your child in completing their weekly tasks on [Hegarty Maths](#)

Encourage your child to learn their times tables using 'Times Table Rockstars' and engage in [solving problems and puzzles](#)

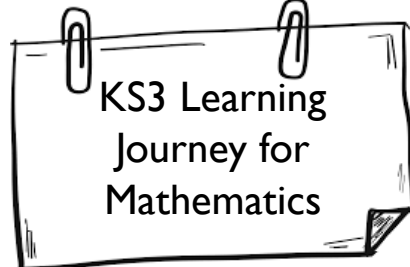
Places to visit during KS3



1. [University of Manchester – Mathematics Projects](#)

2. [Science and Industry Museum](#)

3. [Jodrell Bank](#)



KS3 Learning Journey for Mathematics