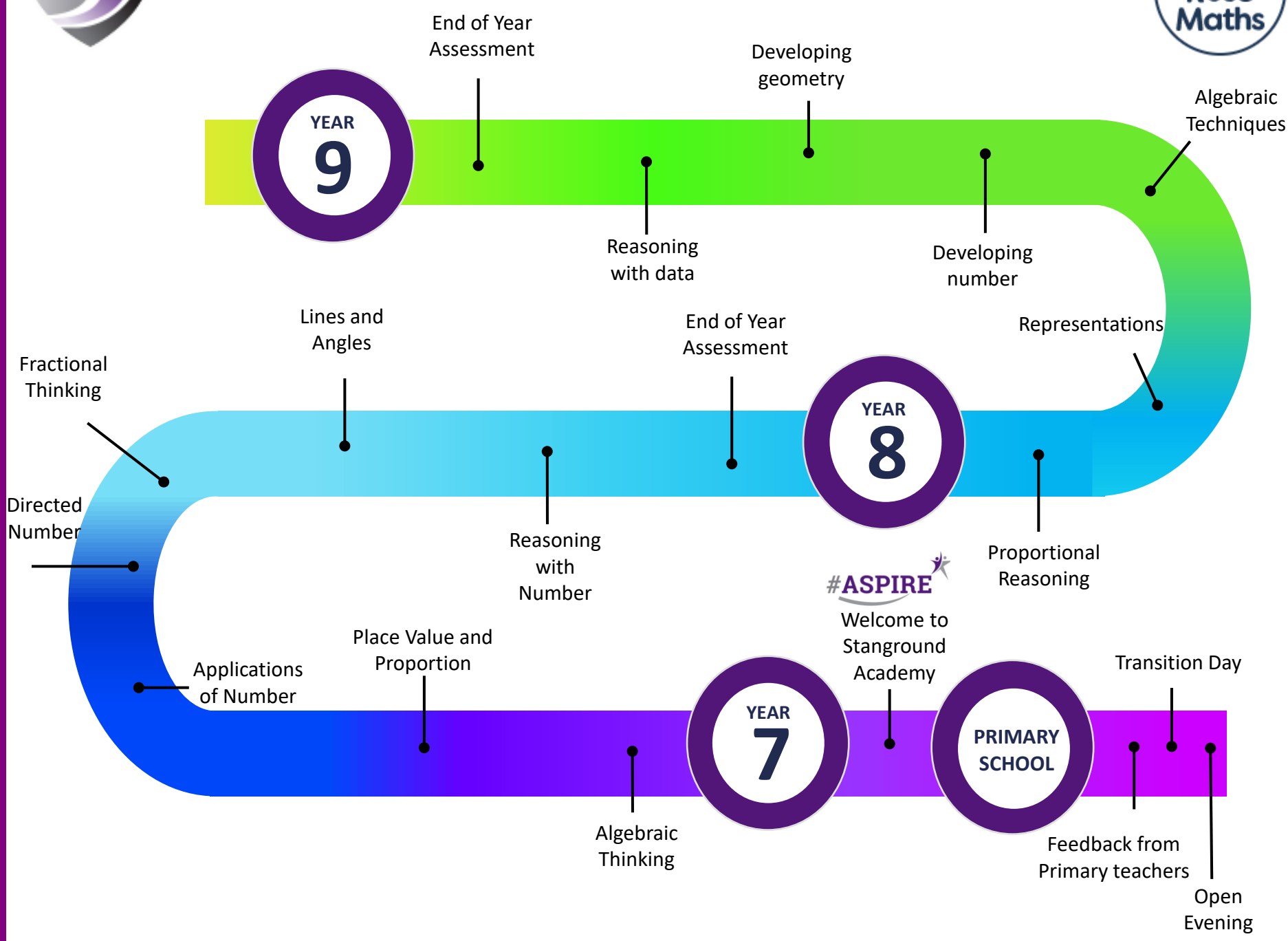
STANGROUND ACADEMY

Mathematics Learning Journey



Our high-quality mathematics education provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject. Our curriculum map reflects our high expectations for every child and allows students to develop fluency, reasoning, and problem-solving skills. We believe mathematical intelligence is expandable, and support every student to fulfil their true potential, preparing them for each subsequent key stage. Our aim is to create the conditions for students to solve problems to develop lifelong transferable skills that can be taken to the next stage of their learning journey or workplace. In addition, we aim to ensure our students gain confidence and an appreciation for all the mathematics around them and will exhibit a thirst for mathematical knowledge and learning, modelled by department staff who undertake regular subject-based CPD.

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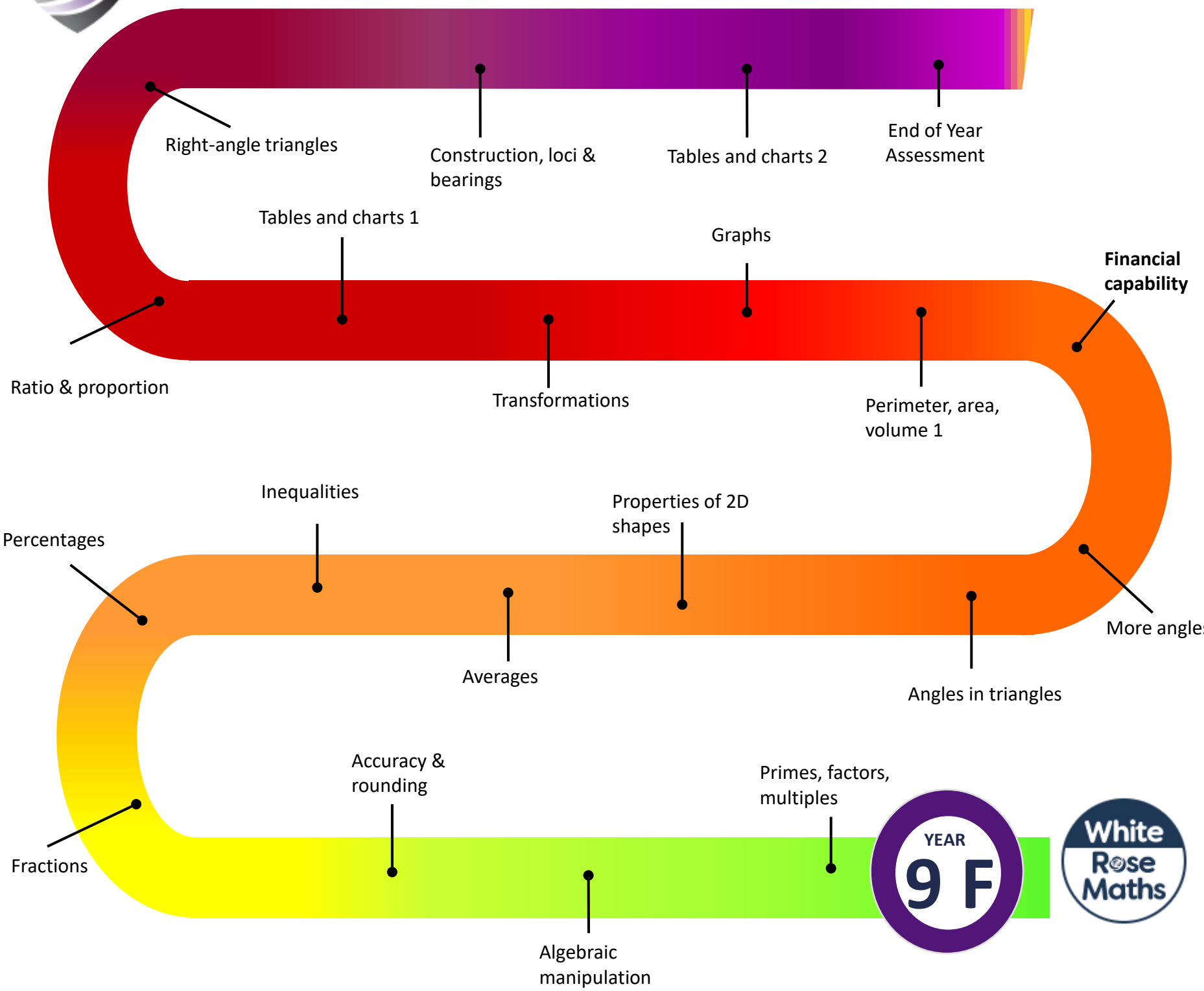

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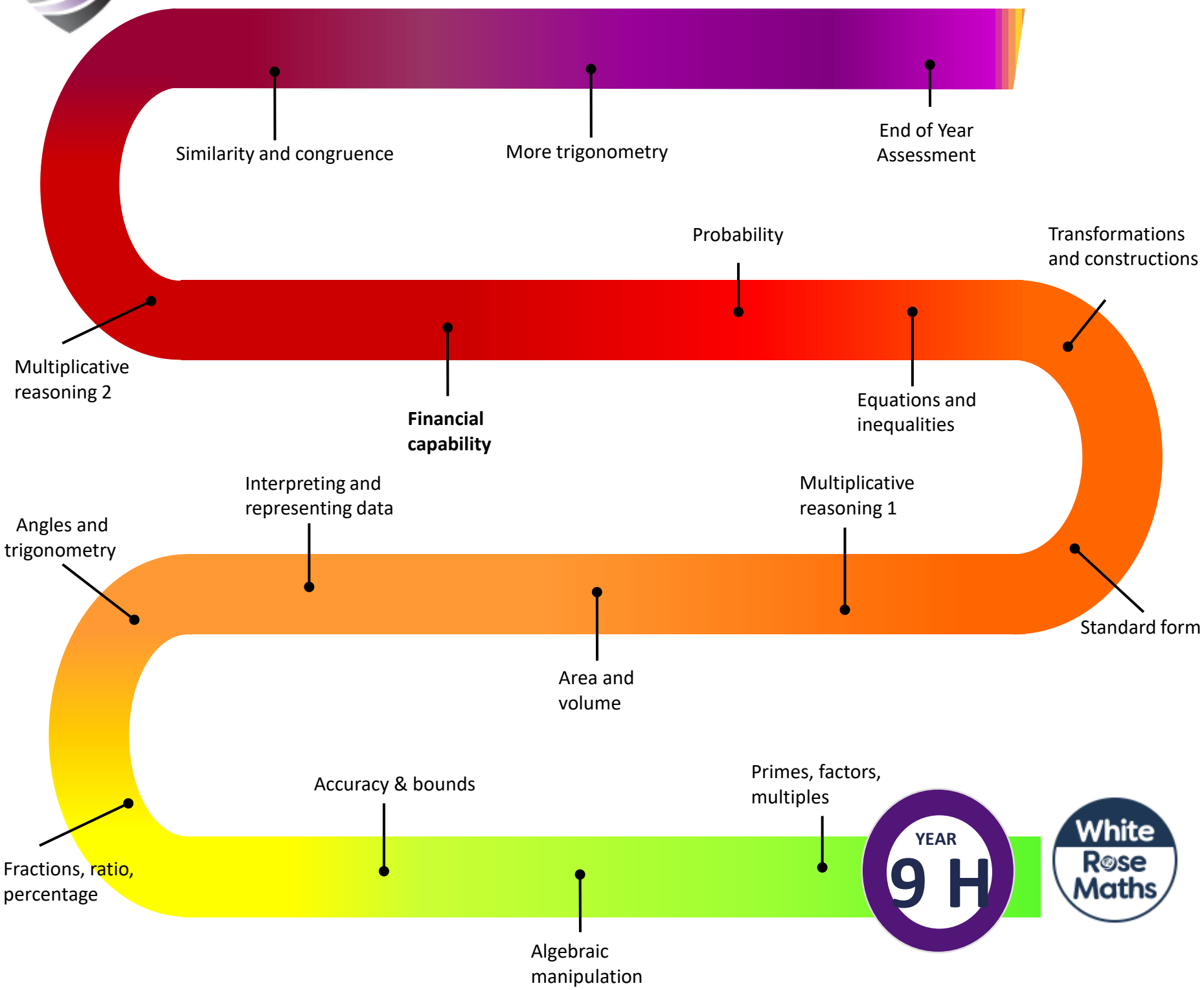

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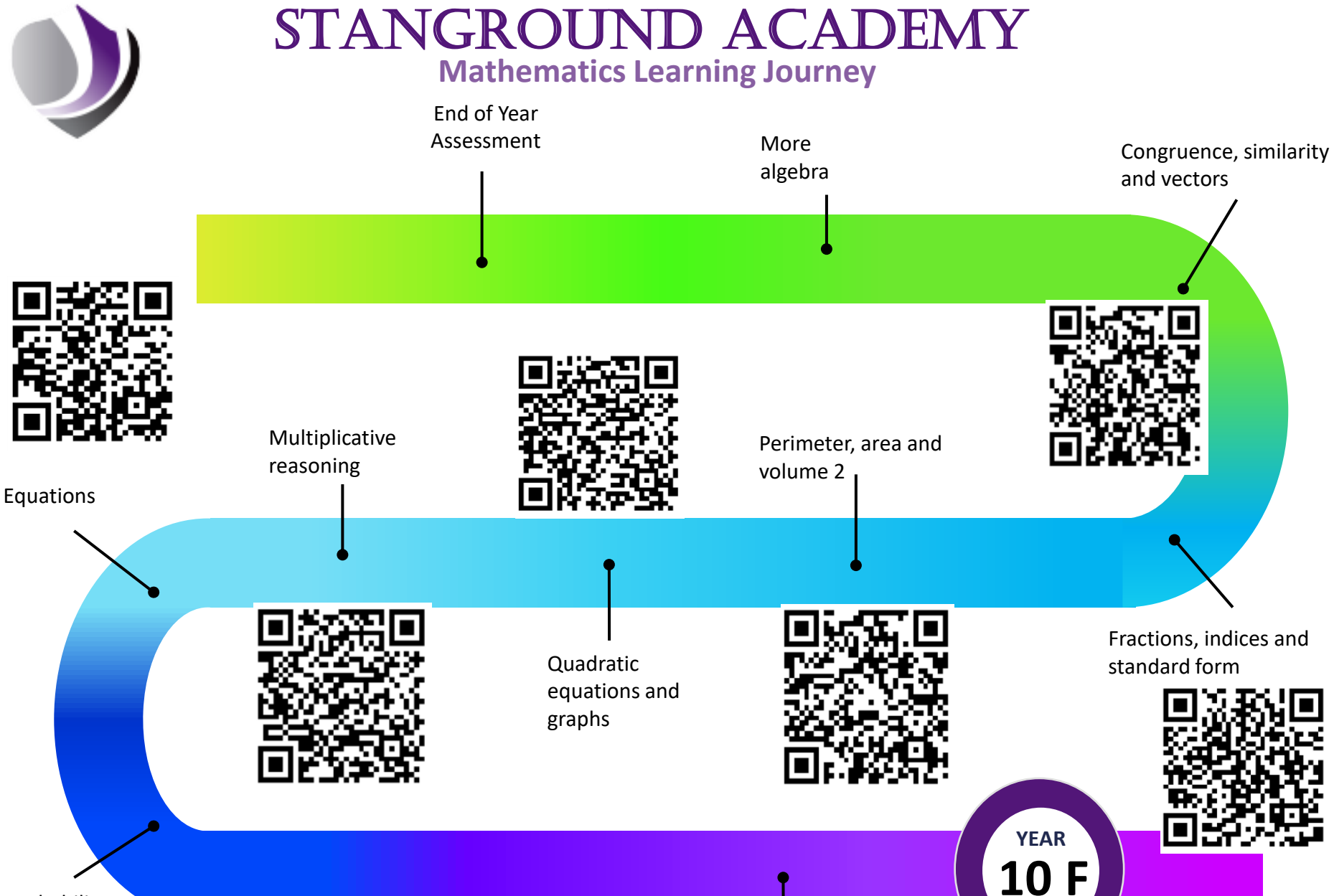

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STANGROUND ACADEMY

Mathematics Learning Journey

A level taster

End of Year Assessment

Proportion and graphs

Circle theorems

Equations and graphs

Further statistics

Vectors and geometric proof

More algebra

Graphs

Year 9 review

YEAR 10 H

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STANGROUND ACADEMY

Mathematics Learning Journey

Histograms

Summer Examinations

Direct and Inverse proportion

Bearings, scale drawings

Circle Theorems

Venn diagrams and conditional probability

Constructions and Loci

Surds, fractional and negative indices

Transformations of graphs

Functions

3D Trigonometry

Sine and Cosine Rule

Simultaneous Equations

Quadratic Equations

Review

Non-Linear Graphs

Algebraic Fractions

YEAR 11 H

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STANGROUND ACADEMY

Mathematics Learning Journey

Trigonometry

Summer Examinations

Bearings, scale drawing

Constructions and Loci

Pythagoras' Theorem

Indices

Standard Form

Properties of shapes

Fractions, Decimals, Percentages

Sequences

Primes, Factors, Multiples

Algebra Review

YEAR 11 F

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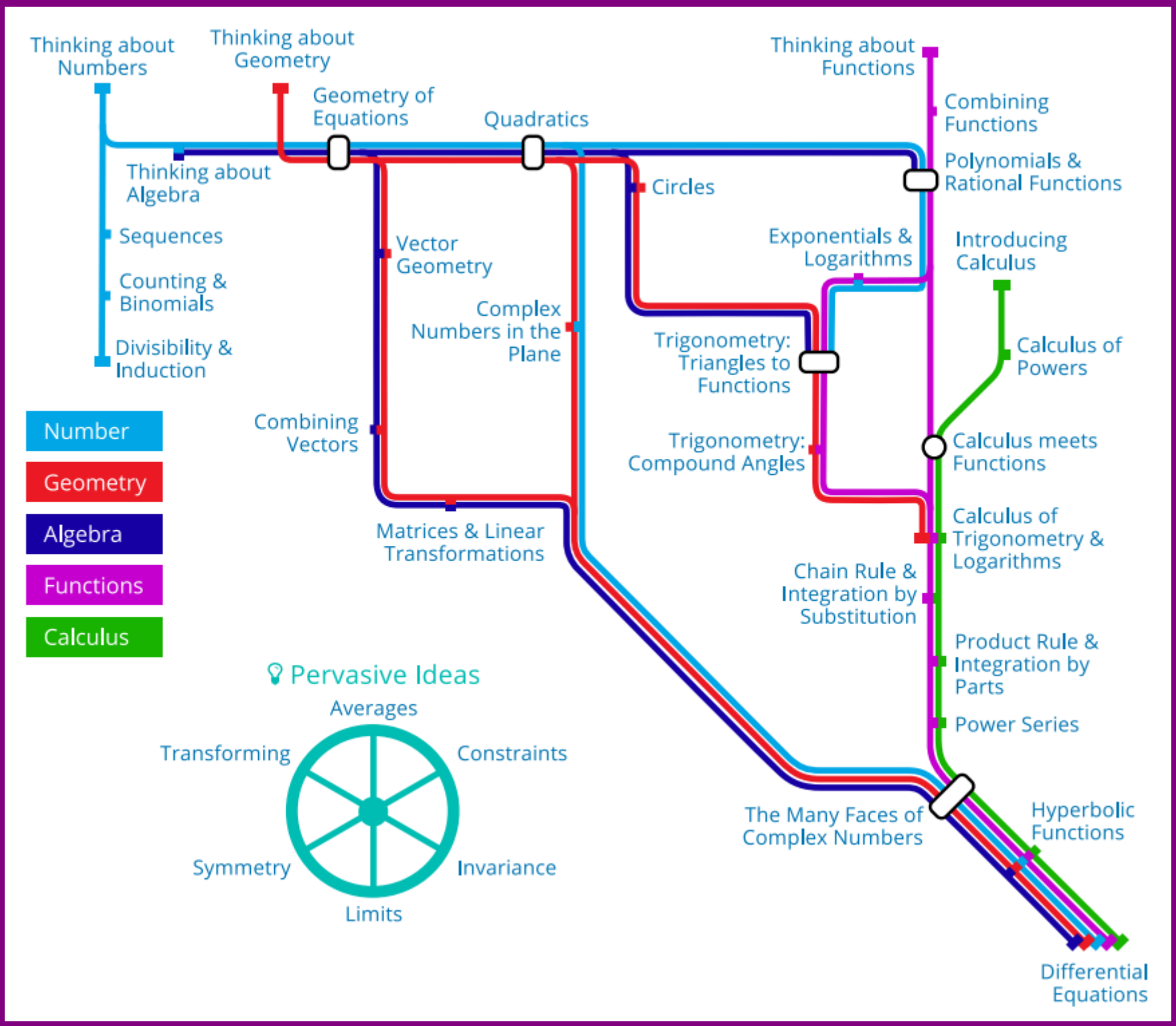
A LEVEL MATHS



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