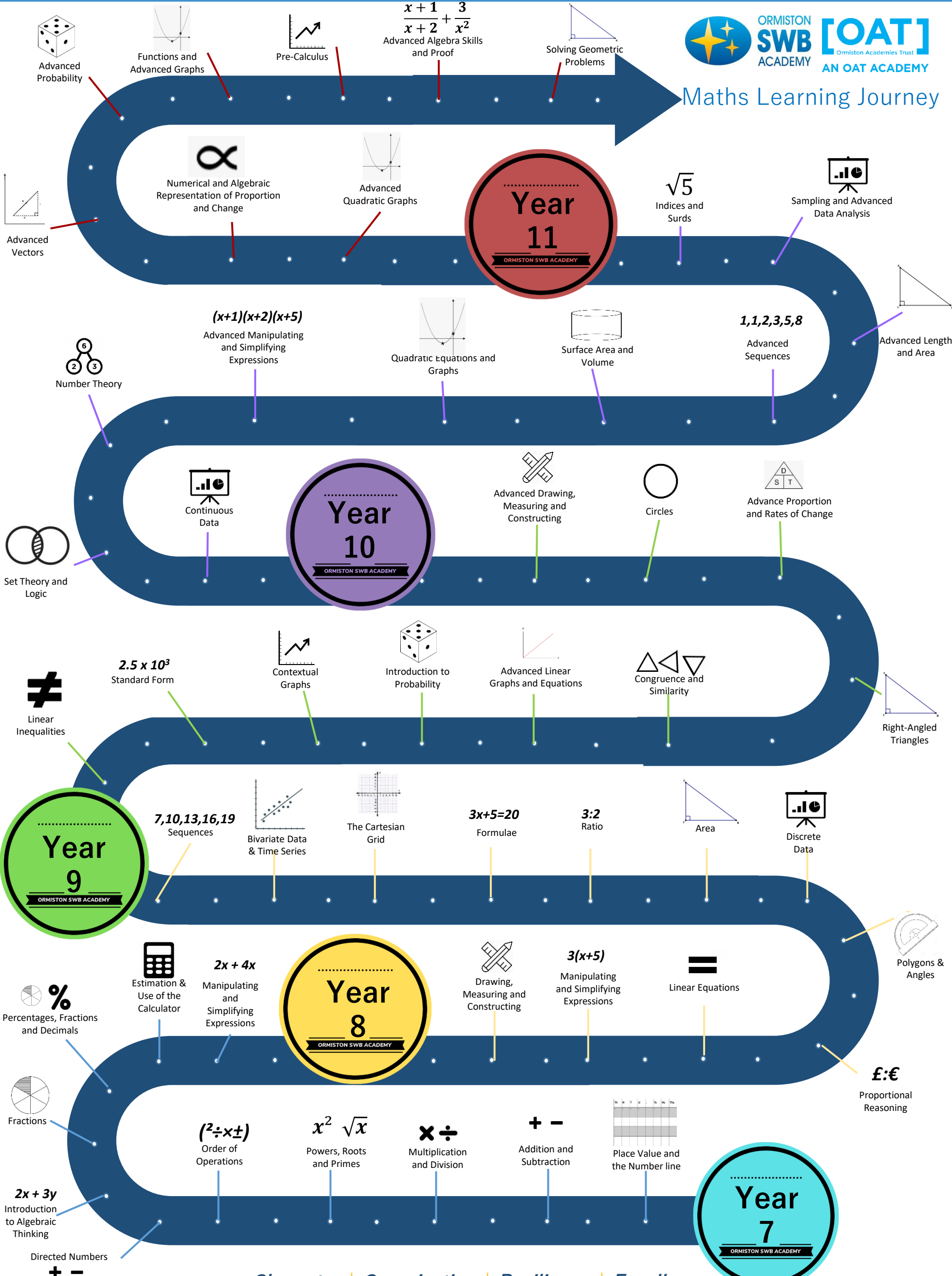


Maths Learning Journey



Year 7
ORMISTON SWB ACADEMY

Directed Numbers $+$ $-$

Introduction to Algebraic Thinking $2x + 3y$

Fractions

Percentages, Fractions and Decimals $\%$

Order of Operations $(^2 \div x \pm)$

Powers, Roots and Primes $x^2 \sqrt{x}$

Multiplication and Division $\times \div$

Addition and Subtraction $+$ $-$

Place Value and the Number line

Proportional Reasoning $\pounds : \pounds$

Year 8
ORMISTON SWB ACADEMY

Estimation & Use of the Calculator

Manipulating and Simplifying Expressions $2x + 4x$

Drawing, Measuring and Constructing

Manipulating and Simplifying Expressions $3(x+5)$

Linear Equations $=$

Polygons & Angles

Area

Discrete Data

Area

Ratio $3:2$

Formulae $3x+5=20$

The Cartesian Grid

Bivariate Data & Time Series

Sequences $7, 10, 13, 16, 19$

Year 9
ORMISTON SWB ACADEMY

Linear Inequalities \neq

Standard Form 2.5×10^3

Contextual Graphs

Introduction to Probability

Advanced Linear Graphs and Equations

Congruence and Similarity

Right-Angled Triangles

Year 10
ORMISTON SWB ACADEMY

Set Theory and Logic

Continuous Data

Advanced Drawing, Measuring and Constructing

Circles

Advance Proportion and Rates of Change

Advanced Sequences $1, 1, 2, 3, 5, 8$

Advanced Length and Area

Surface Area and Volume

Quadratic Equations and Graphs

Advanced Manipulating and Simplifying Expressions $(x+1)(x+2)(x+5)$

Number Theory

Year 11
ORMISTON SWB ACADEMY

Advanced Vectors

Numerical and Algebraic Representation of Proportion and Change

Advanced Quadratic Graphs

Indices and Surds $\sqrt{5}$

Sampling and Advanced Data Analysis

Advanced Length and Area

Advanced Sequences

Surface Area and Volume

Quadratic Equations and Graphs

Advanced Manipulating and Simplifying Expressions $(x+1)(x+2)(x+5)$

Number Theory

Advanced Vectors

Advanced Probability

Functions and Advanced Graphs

Pre-Calculus

Advanced Algebra Skills and Proof $\frac{x+1}{x+2} + \frac{3}{x^2}$

Solving Geometric Problems