

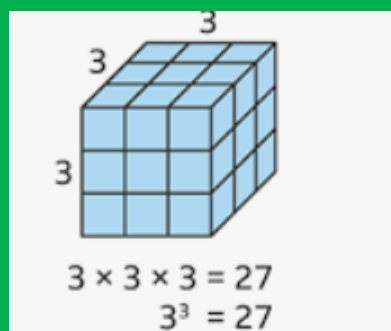
# CURRICULUM ROAD MAP – Forest

YEAR 9

TERM 1

Topic : Integers and place value, Decimals, Special Number and Powers

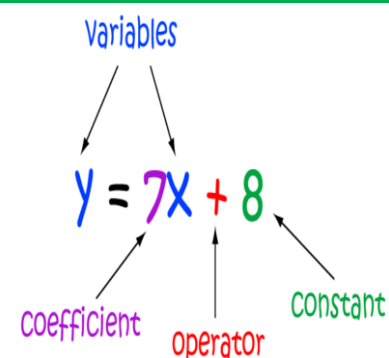
Key Vocab: : Integer, place value, decimal point, index, indices, BIDMAS



TERM 2

Topic : Algebraic manipulation, Expressions, formulae and rearranging formulae

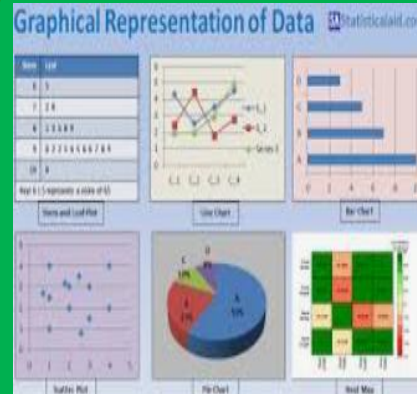
Key Vocab: term, coefficient, like term, expression, equation, identity, formula



TERM 3

Topic : Graphical representation of data, Fractions, Percentages

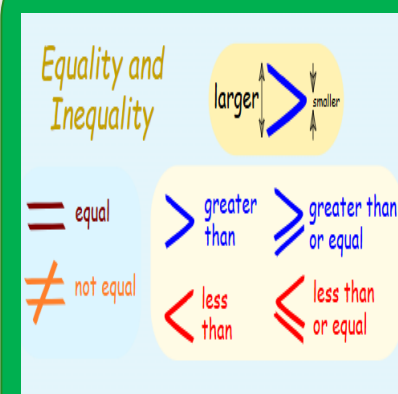
Key Vocab: chart, pie chart, line chart, bar chart, denominator, numerator, percentage



TERM 4

Topic : Linear equations and inequalities, Sequences,

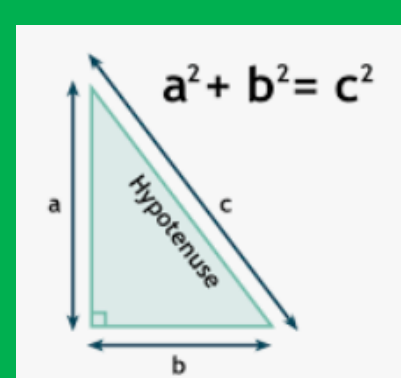
Key Vocab: like term, inverse operation, inequality, equation, root, linear sequence, non-linear sequence



TERM 5

Topic : Pythagoras` theorem, Straight line graphs and non-linear graphs

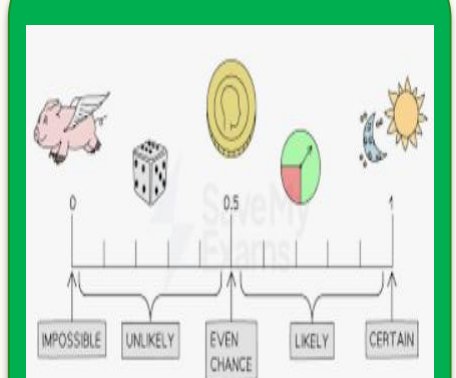
Key Vocab: right-angled, hypotenuse, Pythagoras, square root, linear, gradient, y-intercept, horizontal, vertical, axis



TERM 6

Topic : Sets and probability, Transformations

Key Vocab: probability, event, independent event, dependent event, reflection, translation, rotation



# CURRICULUM ROAD MAP – Forest

YEAR 10

TERM 1

Topic: Algebra Foundations

Key Vocab:  
Collecting like terms  
,Expanding single brackets  
Factorising  
Substitution  
Algebraic fractions (Higher)

Like terms

$$(3y + 2x) + (4x - y) = 2y + 6x$$

Like terms

**Expand & Simplify...**

$$5(x + 3) + 6(x - 4)$$

$$5x + 15 + 6x - 24$$

$$11x - 9$$

TERM 2

Topic: Percentages/ Ratio and scales

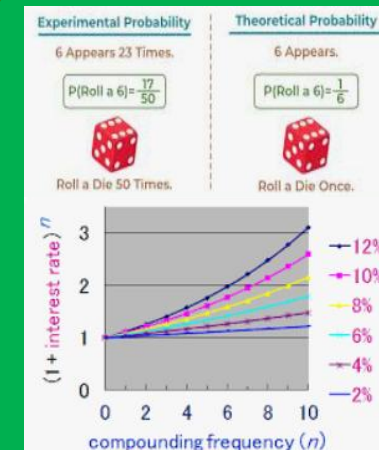
Key Vocab: Percentage change  
Reverse percentages  
Compound growth and decay,  
Scale drawings  
Maps and bearings



TERM 3

Topic: Number and Graphs/ Probability

Key Vocab: Non-calculator methods  
Estimation ,Bounds ,  
Straight line graphs  
Experimental probability  
Theoretical probability  
Frequency trees



TERM 4

Topic: Measures/ Statistics

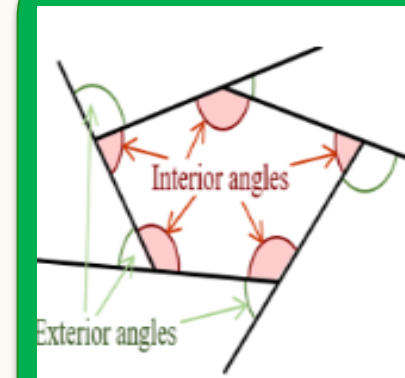
Key Vocab: Perimeter  
Area  
Surface area  
Volume, Averages  
Scatter graphs  
Cumulative frequency  
Histograms (Higher)



TERM 5

Topic: Angles, Statistics and Vectors

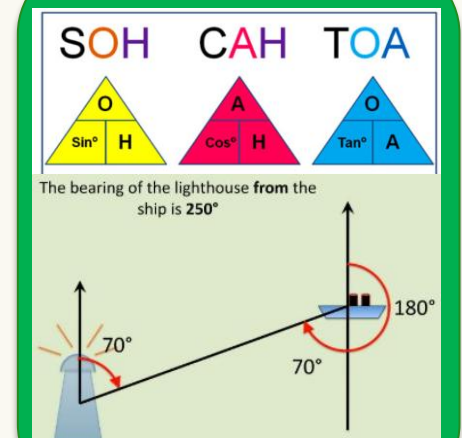
Key Vocab: Angle facts  
Parallel lines  
Polygons  
Statistical diagrams  
Interpretation of data  
Vectors  
Vector geometry



TERM 6

Topic: Surds, Pythagoras, Trigonometry and Simultaneous Equations

Key Vocab: Surds (Higher)  
Rationalising denominators  
Pythagoras' theorem  
Trigonometric ratios  
Bearings applications



# CURRICULUM ROAD MAP – Forest

YEAR 11

TERM 1

Topic: **Ratio and Proportion**

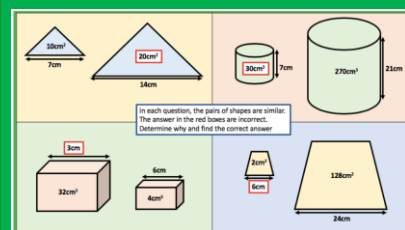
Key Vocab: Direct proportion  
Inverse proportion  
Best buys  
Compound measures  
Speed, density and pressure ,Growth and decay review



TERM 2

Topic: **Area, Volume, Similarity and Congruence**

Key Vocab: Similar shapes  
Similarity  
Congruence  
Volume scale factors  
Surface area scale factors  
Geometrical reasoning



TERM 3

Topic : **Sequences, Proof and Standard Form**

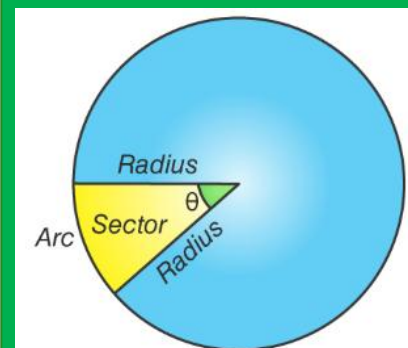
Key Vocab: Arithmetic sequences  
Quadratic sequences  
nth term  
Algebraic proof  
Standard form

Ordinary Number	Standard Form
29	$2.9 \times 10^1$
350	$3.50 \times 10^2$
4716	$4.716 \times 10^3$
600000000	$6 \times 10^8$
0.3	$3 \times 10^{-1}$
0.09	$9 \times 10^{-2}$
0.0071	$7.1 \times 10^{-3}$
0.000502	$5.02 \times 10^{-4}$

TERM 4

Topic : **Circles, Sets and Advanced Algebra**

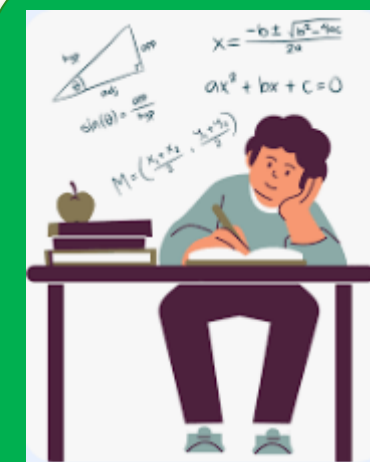
Key Vocab: Arc length  
Sector area  
Circle theorems (Higher)  
Venn diagrams



TERM 5

Topic :  
Revision/Exams

Key Vocab: All vocabulary recap linked to applicable knowledge during revision.



TERM 6

Post 16 options

Explore next steps in learning

