

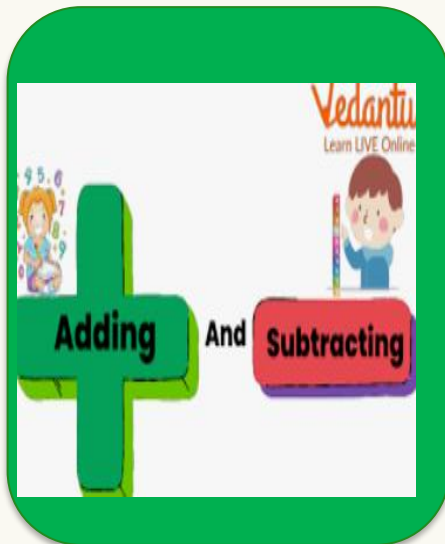
CURRICULUM ROAD MAP – Emerald Pathway

YEAR 7

TERM 1

Topic : Place value
Addition and subtraction

Key Vocab: unites, tenth, hundreds, thousands, convert, place value, total, sum, difference, commutative



TERM 2

Topic : Multiplication & Division
Measurement – Length and Perimeter

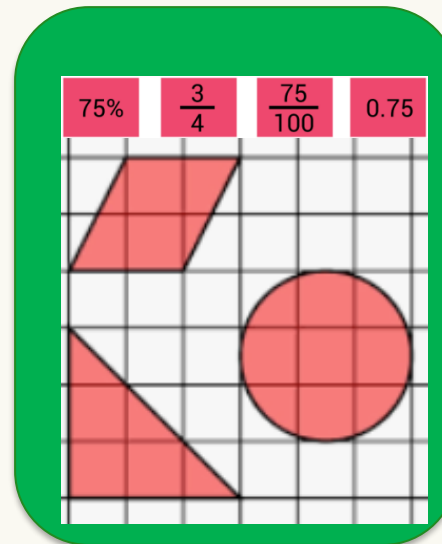
Key Vocab: multiple, factor, common, length, metric, millimetre, centimetre, metre, perimeter



TERM 3

Topic : Area
Fractions
Decimals

Key Vocab: square, centimetre square, metre square, area, denominator, numerator, decimal, value



TERM 4

Topic : Money
Time
Statistics

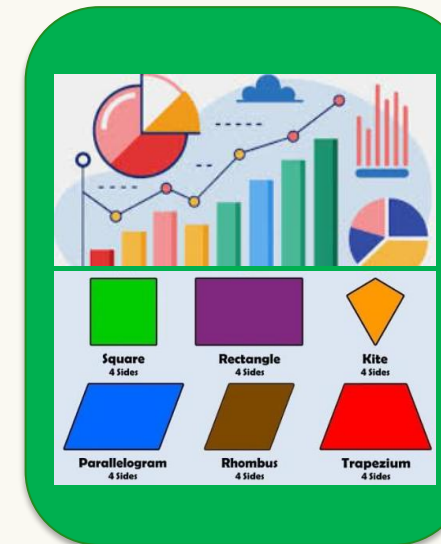
Key Vocab: value, conversion, change, coin, note, calendar, year, month, week, time, hour, second, chart, pictogram



TERM 5

Topic :
Statistics
Properties of shapes

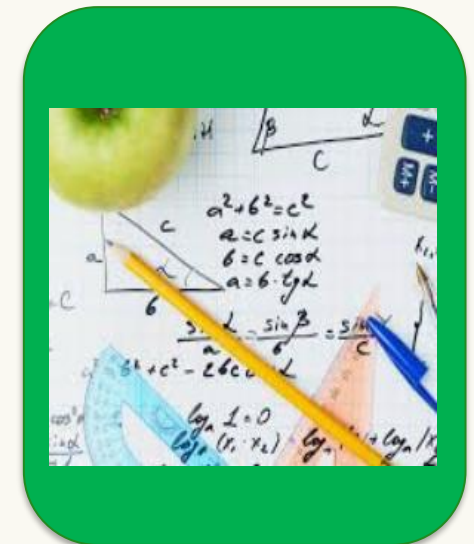
Key Vocab: represent, table, data, side, vertex, edge, face, dimension, angle



TERM 6

Topic :
Revision and recap

Key Vocab: recalling all vocabulary when applying knowledge linked to the appropriate context



CURRICULUM ROAD MAP – Emerald Pathway

YEAR 8

TERM 1

Topic : Place Value and Reading and Writing Numbers, Addition and Subtraction

Key Vocab: Place value, converting, sum, difference, total, commutative



TERM 2

Topic: Properties of 2D & 3D Shapes, Multiplication & Division, Statistics, and time

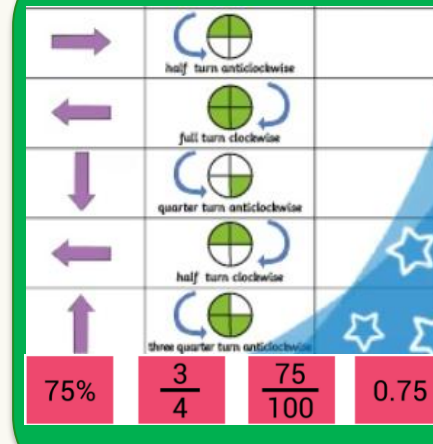
Key Vocab: side, vertex, face, edge, curve, factor, multiple, commutative, represent, interpret



TERM 3

Topic: Position, direction & movement, Fractions, Decimals and Percentages

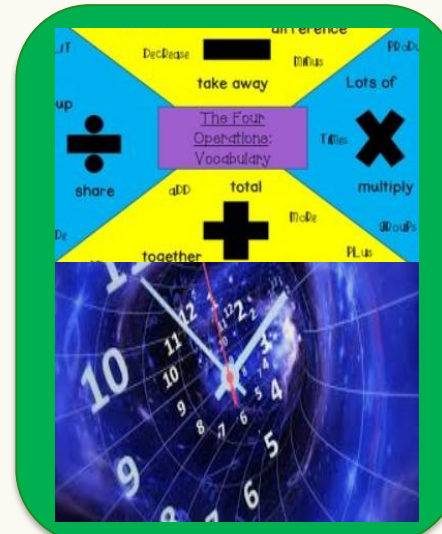
Key Vocab: vertical, horizontal, scale, origin, numerator, denominator, percentage



TERM 4

Topic: Time, the Four operations

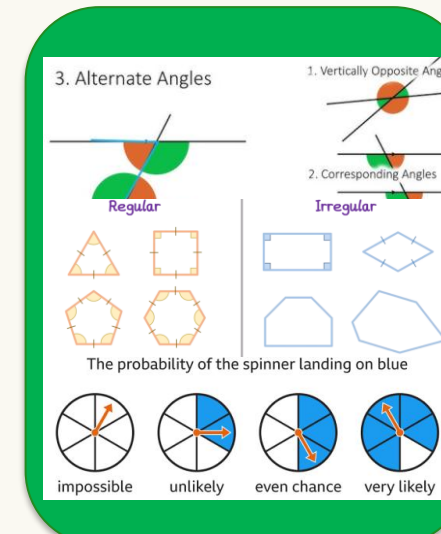
Key Vocab: calendar, hour, minute, second, total, difference, product, factor, multiple



TERM 5

Topic: Angles on parallel lines, Angles in Polygons, Tables and probability

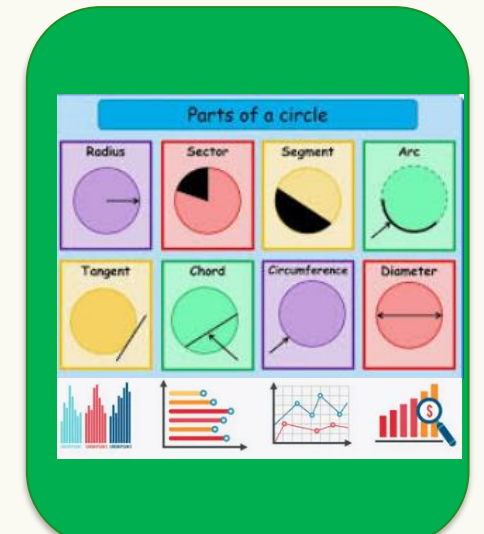
Key Vocab: parallel, perpendicular, corresponding, alternate, co-interior, probability, impossible, certain



TERM 6

Topic Circles, Graphs and charts, Sequences:

Key Vocab: circumference, area, radius, diameter, sector, arc, bar chart, line chart, pie chart



CURRICULUM ROAD MAP – Emerald Pathway

YEAR 9

TERM 1

Topic: Multiplication and division facts, Addition and subtraction with money

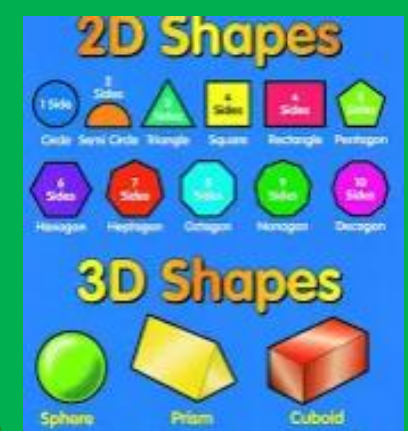
Key Vocab: factor, multiple, commutative, associative, conversion, value



TERM 2

Topic: Properties of 2D and 3D shapes, Representing and interpreting data

Key Vocab: side, vertex, face, edge, curve, dimension, chart, table, pictogram



TERM 3

Topic: Fractions, decimals percentages, Measures

Key Vocab: denominator, numerator, decimal, value, percentage, metric, imperial



TERM 4

Topic: Calendar and time, Reading and writing numbers, place value

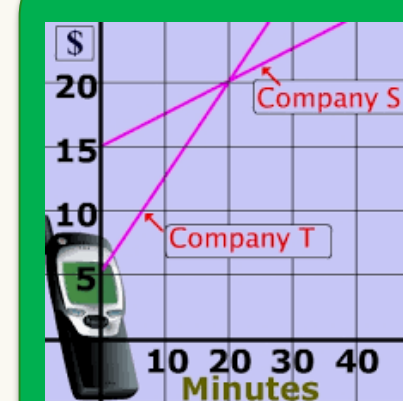
Key Vocab: calendar, year, month, week, hour, minute, second, place value



TERM 5

Topic: Straight line graphs, Non-linear graphs

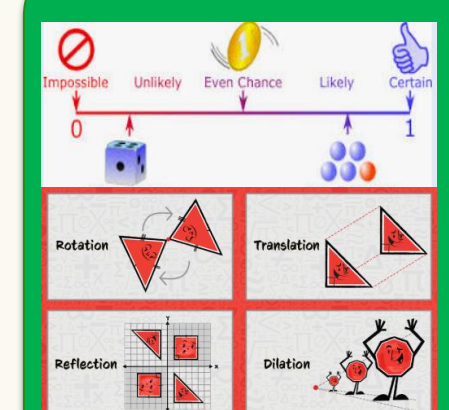
Key Vocab: linear, gradient, y-intercept, fix cost, quadratic, curve, horizontal, vertical



TERM 6

Topic: Probability and sets, Geometric transformations

Key Vocab: probability scale, certain, impossible, likely, evenly, reflection, translation, rotation,



CURRICULUM ROAD MAP – Emerald Pathway

YEAR 10

TERM 1

Topic:
Number Skills and Financial Mathematics

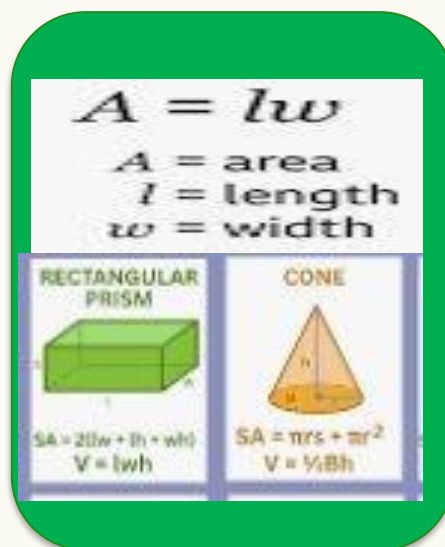
Key Vocab: Place value ,
Estimation, Fractions,
Percentages, wages,
budgets



TERM 2

Topic:
Measures, Shape and Space

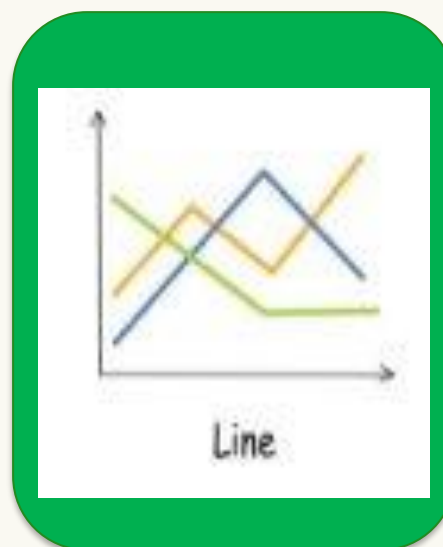
Key Vocab: Mass
Capacity
Reading scales
Compound shapes
Timetables
Duration calculations



TERM 3

Topic:
Handling Data and Problem Solving

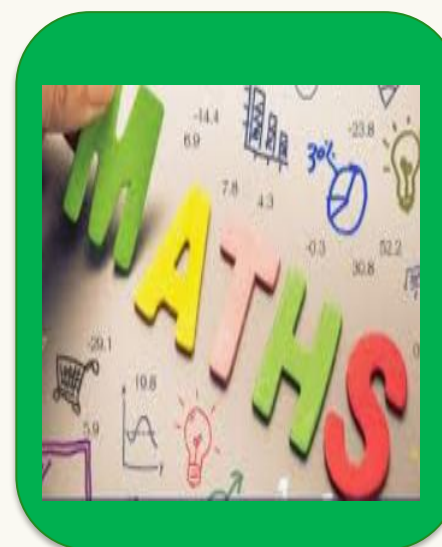
Key Vocab: Surveys
Questionnaires
Sampling
Frequency tables
Bar charts
Pictograms



TERM 4

Topic:
Functional skills level 1 revision

Key Vocab: Mean
Median
Mode
Range
Line graphs
Dual bar charts



TERM 5

Topic:
Number Skills and Core Calculations

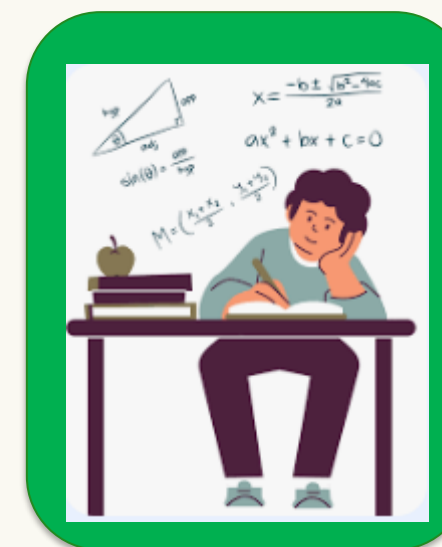
Key Vocab: Estimation
Mixed numbers and improper fractions
BIDMAS

Order of Operations	
B Brackets	$10 \times (4 + 2) = 10 \times 6 = 60$
I Indices	$5 + 2^2 = 5 + 4 = 9$
D Division	$10 + 6 \div 2 = 10 + 3 = 13$
M Multiplication	$10 - 4 \times 2 = 10 - 8 = 2$
A Addition	$10 \times 4 + 7 = 40 + 7 = 47$
S Subtraction	$10 \div 2 - 3 = 5 - 3 = 2$

TERM 6

Topic:
Revision/Retake

Key Vocab : Shopping and budgeting
Wages and payslips
Household bills
Banking



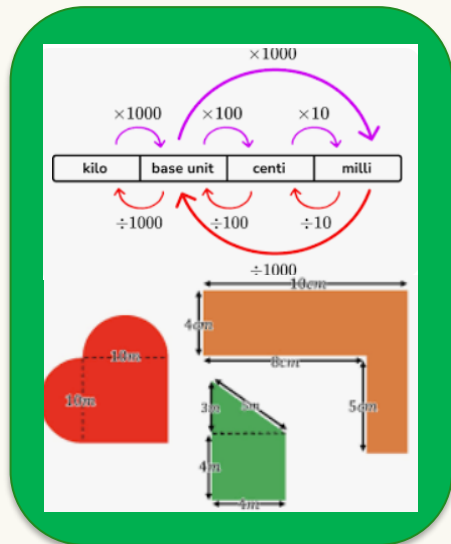
CURRICULUM ROAD MAP – Emerald Pathway

YEAR 11

TERM 1

Topic:
Ratio, Proportion and Measures

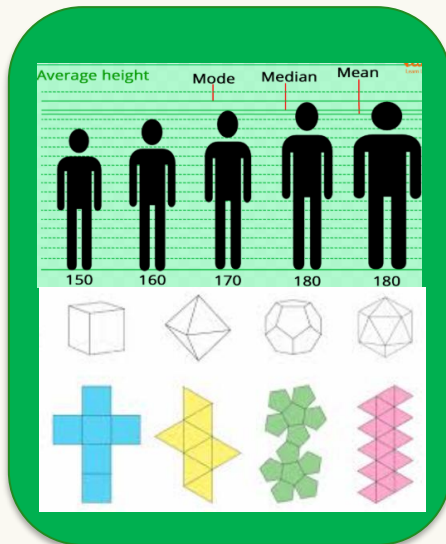
Key Vocab: Sharing in a ratio , Direct proportion , Converting units , Income and expenditure , Compound shapes , Capacity



TERM 2

Topic:
Data Handling, Geometry

Key Vocab : Collecting data ,Frequency tables Averages, Bar charts Pie charts ,Line graphs , Simple probability Relative frequency Probability scales, Nets



TERM 3

Topic:
Functional skills level 2 revision/exam

Key Vocab: Shopping Banking Personal finance Employment Construction



TERM 4

Topic:
Revision/Retake

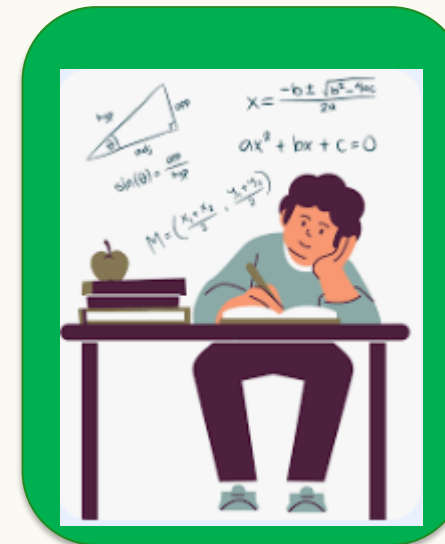
Key Vocab: Travel Cooking Sports statistics Business data Community surveys Travel planning



TERM 5

Topic:
Revision/Retake

Key Vocab: all vocabulary and key knowledge that applies to functional skills in mathematics



TERM 6

Post 16 options

: Explore next steps in learning

