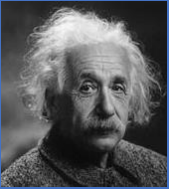


"A person who never made a mistake never tried anything new." Albert Einstein



Mathematics Year 7 & 8 Roadmap



Statistical diagrams:

- Drawing statistical diagrams;
- Averages and range from diagrams.

Fractions and Decimals:

- Recurring notation;
- Fractions to recurring decimals.

Inequalities and Expressions:

- Linear inequalities;
- Double brackets;
- Algebraic fractions.

Angles:

- Angles in parallel lines;
- Angles in polygons.

Transformations:

- Reflection;
- Translation.

Linear Graphs:

- Plotting graphs;
- Finding equations.

3D Shapes:

- Nets;
- Surface area;
- Volume.

Venn Diagrams:

- Interpreting Venn diagrams;
- Factors, multiples and primes.

Rounding

- Decimal places;
- Significant figures.

Indices, Equations and Sequences:

- Index laws;
- Solving equations;
- Term-to-term rules;
- Position-to-term rules.

Standard Form:

- Standard form;
- Ordinary numbers.

Fractions, Decimals and Percentages:

- Multiplying and dividing fractions;
- Fractions of an amount;
- Fraction, decimal and percentage equivalence.

Area:

- Area and units;
- Circles.

Ratio:

- Writing and using ratio;
- Scale diagrams.

Money:

- Value of money;
- Money problems.

YEAR
8

Percentages:

- Percentage of amount;
- Percentage change.

Probability:

- Writing probabilities;
- Sample space diagrams.

Angles:

- Angles properties;
- Finding unknown angles.

Proportion:

- Word problems;
- Using a calculator.

Data Handling:

- Averages and range;
- Tables and charts;
- Collecting and presenting data.

Brackets:

- Expanding single brackets;
- Factorising single brackets.

Coordinates:

- Plotting and reading;
- Coordinates and shapes.

Factors, Multiples and Primes:

- Factors and multiples;
- Identifying primes.

Expressions and Equations

- Expressions;
- Substitution;
- Solving equations.

Fractions:

- Writing and comparing fractions;
- Adding and subtracting fractions.

Measures:

- Time;
- Lengths, mass and capacity.

2D Shapes, Perimeter and Area:

- Shape properties;
- Perimeter;
- Area.

Number sense and calculations:

- Rounding;
- Using the four operations;
- Calculating with negative numbers.

YEAR
7

Transition:
Primary school visits and numeracy assessment.

