

Mathematics

All students will sit a summative assessment at the end of each term to track progress – scores will be given as percentages. Throughout each term students will receive mini fluency quizzes once a fortnight to assess their knowledge and identify any gaps.

Year 10

End of Year Assessment

Measuring data

Presenting data

Skills
Read and draw graphs for grouped data

Understanding Risk 2

Calculating space

Algebra - Visualising

Skills
Plotting and using graphs

Skills
Perimeter, area and volume in circles

Skills
Calculating the probability of 2 events

End of Term Assessment

Solving equations

Calculating f/d/p

Skills
Ratio problems and best buys

Proportional reasoning

Skills
Calculate unknown values including negatives and fractional answers

Skills
Working with percentage increase/decrease

Pattern Sniffing

Investigating angles

Skills
Finding and using the nth term

2, 4, 6, 8, 10, 12, 14

Skills
Calculate unknown angles in shapes and with parallel lines

Visualising and Constructing

End of Term Assessment

Exploring f/d/p

Skills
Enlargements and bearings

Skills
Relationship between fractions and decimals

Skills
Index laws, substitution and rearranging formulae

Algebra - Tinkering

Understanding Risk 1

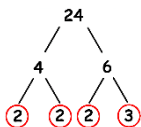
Skills
Introduction to probability – probability scale, vocabulary

Calculating

Numbers and the Number System

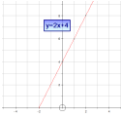
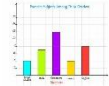
YEAR 9.4

Skills
Use the 4 operations with directed numbers



Skills
Product of Primes and Standard Form

Mathematical thinking/recall



RATIOS
3:7



By the end of term 3 students should be able to draw and interpret linear graphs from an equation and calculate the area and circumference of circles

By the end of term 2 students should be able to calculate percentage change, find multipliers in proportion problems, find the nth term of a sequence and solve linear equations with unknowns on both sides.

By the end of term 1 students should be able to write numbers in standard form, use 4 operations with negative numbers, calculate probability of an event, simplify expressions with indices, factorise expressions, rearrange simple formulae and convert between fractions and decimals