What's on this term... Key Stage 4 Maths

KS4 Maths has now been split into 4 groups, with students grouped dependant on which qualification they are currently working towards. This does mean the groups are flexible, and when students achieve a qualification, they will move to the next qualification level class.

Functional Skills Entry Level 1 (taught by Geoff):
Using Numbers and The Number System
- Reading, writing, ordering and comparing numbers up to 20
- Using whole numbers to count up to 20 items, including zero
- Adding numbers which total up to 20, and subtracting numbers from numbers up to 20
- Recognising and interpreting the symbols +, – and = appropriately

Functional Skills Entry Level 2 / Entry Level 3 Group (taught by Deborah):
Using Numbers and the Number System – Whole Numbers, Fractions and Decimals
- Reading, writing, ordering and comparing numbers up to 200, including recognising odd and even numbers and the symbols +, –, ×, ÷ and =
- Adding and subtracting two-digit numbers
- Multiplying whole numbers in the range 0 × 0 to 12 × 12 (times tables)
- Dividing two-digit whole numbers by single-digit whole numbers and expressing remainders
- Recognising simple fractions
- Reading, writing and using decimals to one decimal place

Functional Skills Entry Level 3 / Level 1 Group (taught by Jennie):
Using Numbers and the Number System – Whole Numbers, Fractions and Decimals
- The four operations and numbers up to 1000
- Approximating by rounding numbers less than 1000 to the nearest 10 or 100 and using this rounded answer to check results
- Recognising and continuing linear sequences of numbers up to 100
- Reading, writing & understanding thirds, quarters, fifths and tenths, including equivalents
- Reading, writing and using decimals up to two decimal places
- Recognising and continuing sequences that involve decimals

GCSE Maths Group (taught by Issy):
Congruence, Similarity and Enlargement
- Enlarge a shape by a positive integer scale factor
- Enlarge a shape by a fractional scale factor
- Enlarge a shape by a negative scale factor
- Identify similar shapes
- Work out missing sides and angles in a given pair of similar shapes
- Use parallel line rules to work out missing angles
- Establish a pair of triangles are similar
- Explore areas of similar shapes
- Explore volumes of similar shapes
- Understand the difference between congruence and similarity
- Understand and use conditions for congruent triangles