

YEAR 9 THRESHOLD CRITERIA

MATHS

	Unit 1	Unit 2	Unit 3
	Introduction to Probability	Sequences	Congruency and Similarity
Excellent	Use language/symbols of set theory for probability questions Construct two way tables and use to calculate probabilities Construct Venn Diagrams and use to calculate probabilities Construct probability trees and use to calculate probabilities	Describe and continue pictorial and algebraic sequences Recognise and continue geometric sequences Recognise and continue quadratic sequences	Convert between units of volume Identify congruent triangles by using conditions SSS, SAS, ASA, RHS Combinations of transformations Enlarge using fractional and negative scale factors
Proficient	Know that sum of probabilities of all mutually exclusive events = 1 Use results to work out relative frequency and predict outcomes Construct sample space diagrams Use these to calculate theoretical probabilities Identify all mutually exclusive outcomes for an event	Generate sequences using the nth term rule Work out the nth term rule of an arithmetic sequence Recognise and continue the Fibonacci sequence	Convert between units of area Enlarge using a centre of enlargement Use similarity property to work out missing lengths Define congruency and identify congruent shapes
Developing	Write theoretical probabilities as fractions and decimals Create systematic lists of outcomes Carry out a simple probability experiment Work out the probability of an outcome NOT happening	Recognise and continue the triangular, square and cube number sequences Generate sequences when given the first term and the term- to-term rule	Rotate and reflect shapes Translate shapes using words and vectors Enlarge shapes using positive integer scale factors Convert between units of length
Acquiring	Use the vocabulary of probability Understand equally likely outcomes Probability scale with words and numbers	Continue arithmetic sequences for a specified number of terms Identify the term-to-term rule for arithmetic sequences	Identify and use rotational and reflective symmetry Work out areas of similar shapes and appreciate the scale factor is different Tessellations