

What? When? Why?	Lesson 1 Learning intentions (what can a student do at the end of the lesson)	Lesson 2 Learning intentions (what can a student do at the end of the lesson)	Lesson 3 Learning intentions (what can a student do at the end of the lesson)	Lesson 4 Learning intentions (what can a student do at the end of the lesson)
Week 1	Understand and use the probability scale.	Apply the property that the probabilities of an exhaustive set of outcomes sum to 1 Construct and use possibility spaces. Apply the property that the probabilities of an exhaustive set of mutually exclusive events sum to one	Understand and use relative frequency. Relate relative expected frequencies to theoretical probability, using appropriate language and the 0 to 1 probability scale	Construct and interpret Venn diagrams.
Week 2	Understand what a surd is and calculate with surds.	Calculate with surds (inc expanding brackets)	Simplify surds	Rationalise the denominator. Recognise and use <u>simple geometric progressions (r^n where n is an integer and r is a surd)</u>
Week 3	Substitution (inc negatives and fractions) into expressions involving powers and fractions	Linear equations and inequalities(R)	Solve equations and inequalities with unknown on both sides.	Form and solve equations
Week 4	Rearrange formulae to change the subject unknown only appears once.	Rearrange formulae to change the subject where the unknown appears more than once.	Rearrange formulae to change the subject where the unknown appears more than once.	Expand and simplify double brackets
Week 5	Factorise ax^2+bx+c Where $a = 1$	Factorise ax^2+bx+c Where $a \neq 1$	Solve by factorising $ax^2+bx+c=0$ Where $a = 1$	Solve by factorising $ax^2+bx+c=0$ Where $a \neq 1$
Week 6	Write a trinomial in completing the square form.	Solve quadratic equation by completing the square	Solve quadratic equation by use of the quadratic formula.	Solve quadratic equation by use of the quadratic formula.