YEAR 10	Autumn 2020		Highe	er		
DATES	UNIT / LESSON	PRIOR KNOWLEDGE	GRADE FROM	GRADE	OBJECTIVES	Corbett
		weeks to recap work from last year as required, with		10	on the summer term topics	
	week to include TEST 9 Equations and inequalities		3	9		
		Understand the ≥ and ≤ symbols. Substitute into, solve and rearrange linear equations. Factorise simple quadratic expressions. Recognise the equation of a circle.	3	9		
		Know that a square has two possible roots	4	6	Find the roots of quadratic functions.	
12/10/2020		Find the factors of a given number. Factorise expressions. Solve simple equations containing a squared term.			Rearrange and solve simple quadratic equations.	117/118 266
	9.2 Solving quadratic equations 2	Understand the term quadratic	5	7	Solve more complex quadratic equations.	110/200
19/10/2020		Find positive and negative square roots. Solve quadratic equations by factorising. Expand two pairs of brackets. Simplify surds.			Use the quadratic formula to solve a quadratic equation.	119/266 267
HALF TERM		Every dead simplify a survey baseline				
02/11/2020	9.3 Completing the square	Expand and simplify a square bracket. Simplify surds. Solve simple equations, giving the answer in surd form.	4	9	Complete the square for a quadratic expression. Solve quadratic equations by completing the square.	267a
09/11/2020	9.4 Solving simple simultaneous	Substitute into simple algebraic expressions.	5	7	Solve simple simultaneous equations.	205
	lequations 	Rearrange equations.			Solve simultaneous equations for real-life situations.	295
	9.5 More simultaneous	Recall the equation of a straight line.	6	6	Use simultaneous equations to find the equation of a straight line.	200/25=
	equations	Solve simple simultaneous equations.			Solve linear simultaneous equations where both equations are	296/297
					multiplied. Interpret real-life situations involving two unknowns and solve them.	295
	O.C.C. him a liman and an advanta	Identify different types of equations.	_			
	9.6 Solving linear and quadratic simultaneous equations	identify different types of equations.	7	9	Solve simultaneous equations with one quadratic equation.	298
		Solve quadraric equations.			Use real-life situations to construct quadratic and linear equations and solve them.	I
23/11/2020	9.7 Solving linear inequalities	Understand inequality signs Construct correct inequalities from given information	3	6	Solve inequalities and show the solution on a number line and using set notation.	177
		Construct Correct mequanties from given information				
	10.1 Combined events	Understand that a probability is a number between 0 and 1, and distinguish between events which are impossible, unlikely, even chance, likely, and certain to occur. Mark events and/or probabilities on a probability scale of 0 to 1. Know how to add and multiply fractions and decimals. Express one number as a fraction of another. List all outcomes for a single event systematically. Make predictions from experimental data. Complete a two-way table. List all outcomes for a single event systematically.	3	5	Use the product rule for finding the number of outcomes for two or	
07/12/2020		List all outcomes for two events systemaically.			more events. List all the possible outcomes of two events in a sample space	253
	10.2 Mustually analysts a sector	Add decimals. Subtract decimals and fractions from 1.	-		diagram.	246
	10.2 Mutually exclusive events	Understand the relationship between ratios and	3	4	Identify mutually exclusive outcomes and events. Find the probabilities of mutually exclusive outcomes and events.	244/245
		fractions.			Find the probability of an event not happening.	250
	10.3 Experimental probability	Simplify fractions.	3	5	Work out the expected results for experimental and theoretical probabilities.	249
		Multilply whole numbers by decimals.			Compare real results with theoretical expected values to see if a game	
	10.4 Independent events and	Add and multiply fractions and decimals.	4	7	is fair. Draw and use frequency trees.	
	tree diagrams				Calculate probabilities of repeated events.	376
					Draw and use probability tree diagrams.	252
	10.5 Conditional probability	Know that the probability of something not	5	9	Decide if two events are independent.	
14/12/2020		happening is 1 minus the probability of the event happening.				249
		Draw and use probability tree diagrams.			Draw and use tree diagrams to calculate conditional probability.	247
					Draw and use tree diagrams without replacement.	
	10.6 Venn diagrams and set	Interpret inequalities.	3	7	Use two-way tables to calculate conditional probability. Use Venn diagrams to calculate conditional probability.	
	notation	- 1 		'	G. T.	380
					Use set notation.	