

YEAR 11 Autumn 2021		Higher				
DATES	UNIT / LESSON	PRIOR KNOWLEDGE	GRADE FROM ...	GRADE TO ...	OBJECTIVES	
15/06/2020	17.4 More algebraic fractions	Simplify algebraic fractions by cancelling common factors. Add, subtract, divide and multiply fractions containing simple algebraic terms.	6	9	Add and subtract more complex algebraic fractions.	Corbett 21
					Multiply and divide more complex algebraic fractions.	22,23
22/06/2020	17.5 Surds	Decide whether each number is rational or irrational.	7	9	Simplify expressions involving surds.	305
					Expand expressions involving surds.	308
					Rationalise the denominator of a fraction.	307
29/06/2020	17.6 Solving algebraic fraction equations	Find the lowest common multiple of two algebraic fractions. Solve quadratic equations by factorising. Manipulate expressions containing simple algebraic fractions.	7	9	Solve equations that involve algebraic fractions.	111
06/07/2020	17.7 Functions	Calculate the output from a function machine for three different inputs. Solve simple equations Write expressions using function machines	5	9	Use function notation.	
					Find composite functions.	370
					Find inverse functions.	369
13/07/2020	17.8 Proof	Identify an odd number and an even number written algebraically. Recall the definitions of equations and identities.	5	9	Prove a result using algebra.	365,366
END OF TERM 6 TEST						