




























ALGEBRA 1 Foundation REVISION PLANNER

Learning objectives (We Are Learning To...)	Grade	Can I do it?
1. Generate the next term of a sequence by spotting the pattern	F (NEXT TERM AND DESCRIBE PATTERN) & E (ANY TERM IN NUMBER SEQUENCE)	  
2. Pupils can recognise number patterns and find term to term rules and position to term rules for linear sequences	D (SUBSTITUTE NUMBERS INTO Nth TERM RULE), C (Nth TERM LINEAR SEQUENCE)	  
3. Pupils generate straight line graphs from an equation in the form $y=mx+c$	F (SUBSTITUTE NUMBERS INTO EXPRESSIONS), E (DRAW LINEAR GRAPH GIVEN TABLE), D (STRAIGHT LINE GRAPH FROM EQUATION)	  
4. Pupils find the gradient of a straight line and can use the gradient and intercept to write the equation of a straight line	C (FIND GRADIENT OF LINE), C (USE GRADIENT INTERCEPT TO DRAW GRAPHS $y=mx+c$)	  
5. Use conversion graphs to change currency, weights and other practical graphs	F (READ VALUES FROM CONVERSION GRAPH), E (USE CONVERSION GRAPH TO SOLVE PROBLEMS)	  
6. Draw and interpret travel (Distance/Time) graphs	E (READ DIST/ TIME FROM TRAVEL GRAPH), C (INTERPRET GRAPH including DIST/ SPEED)	  
7. Substitute positive numbers into simple formulae in real life and mathematical situations	D (SUBSTITUTE NUMBERS INTO EXPRESSIONS)	  
8. Substitute positive and negative numbers into algebraic expressions including $2m^2$ and $(2m)^2$	D (SUBSTITUTE NUMBERS INTO EXPRESSIONS)	  
9. Factorise a linear expression by taking out a number or a letter as a common factor	D (FACTORISE SIMPLE LINEAR EXPRESSIONS)	  
10. Expand expressions by multiplying out a single bracket. Collect terms together to simplify.	C (EXPAND AND SIMPLIFY EXPRESSIONS)	