PERSONALISED LEARNING CHECKLIST

Year 7 – White Rose Maths	Corbett Maths Link	Red	Amber	Green	Revised (Tick)
Areas of Study:					
Topic 1: Sequences					
1 Describe and continue both linear and non-linear sequences (Q1-8)	286 290				
2 Find missing terms in a linear sequence (Q9-11)	287				
Topic 2: Understand and use Algebraic Notation					
3 Use inverse operations and 'operation families (Q3)	386				
4 Substitute into one and two- step function machines (Q1&10)	386				
5 Find functions and form sequences from expressions (Q4,5,6&11)	16				
6 Represent functions graphically (Q9)					
Topic 3: Equality and Equivalence					
7 Form and solve linear equations (Q3,4&5)	110				
8 Understand like and unlike terms (Q6&7)	9				
9 Simplify algebraic expressions (Q8&9)	9				
Topic 4: Place Value and Ordering Integers and Decimals					
10 Understand place value and the number system including decimals, integers and measures. (Q1&6)	222				
11 Order number using the symbols =,≠,≤,≥ and use a number line for positive and negative integers, fractions and decimals (Q2&5)	221				
12 Round numbers to an appropriate accuracy (Q4)	276-279a				
13 Describe, interpret and compare data using the median and range (Q3&7)	50,51, 57,57a				
Topic 5: FDP Equivalence					
14 Convert fluently between fractions, decimals & percentages (All questions)	121-128				
Topic 6: Solving Problems with Addition and Subtraction					
15 Use mental and formal methods of addition/ subtraction for integers and decimals in a variety of contexts including…. (All Questions) i) Standard Form (Q11) ii) Perimeter (5&8) iii) Finance (Q4) ii) Tables and Timetables (Q7) iii) Frequency Trees (Q6) iv) bar charts v) line charts	6, 304, 90, 91 300, 301 241 319, 320 376 147, 148 160				

	Topic 7: Solving Problems with Multiplication and Division					
16	Understand and use factors, multiples and BIDMAS (Q2,5,9,10)	211, 216, 219, 218, 220				
17	Use formal methods to multiply/divide integers and decimals (Q1,3,4,7,8)	93, 98, 99, 199, 200, 202, 204, 349a,b,c				
18	Solve problems involving area and the mean (Q6,11)	44, 45, 48, 49, 53				
	Topic 8: Fractions and Percentages of Amounts					
19	Use a given fraction to find an amount, the whole or other fractions (Q1,3,5,6,7)	137				
20	Find the percentage of an amount using mental methods and a calculator (Q2,4,5,6,7)	234, 235				
	Topic 9: Directed Number					
21	Add/Subtract/ Multiply/Divide/order and use BIDMAS with directed numbers (Q1,2,3,4,5,8,9)	205,206, 207,211				
22	Evaluate algebraic expressions (Q6,10)					
23	Solve two- step equations (Q7)	110, 113				
	Topic 10: Fractional Thinking					
24	Convert between mixed numbers and fractions (Q5,6)	139, 140				
25	Add/subtract any fractions….. (Q10) i) unit fractions (same denominator) ii) Add/ Subtract fractions (same denominator) (Q4) iii) Add/ Subtract fractions from integers (Q3,9) iv)Add/subtract improper fractions and mixed numbers (Q3,5,7,11)	133 145 132 145 139, 140				
26	Use equivalent fractions and decimals (Q1,2,9)	135				
27	Use fractions in algebraic contexts (Q12)	21,22,23				
	Topic 11: Constructing, Measuring and using Geometric Notation					
28	Use letter and labelling conventions (Q3,4,5,6)					
29	Draw and measure line segments and angles (Q1,2,7,8)	397,397a				
30	Identify parallel and perpendicular lines (Q4)	231,232				
31	Recognise and identify types of triangles, quadrilaterals and polygons (Q5,6)	1,2				
32	Construct triangles (SAS, SSS, ASA) (Q7,8)	73,81,82, 83				
33	Draw pie charts (Q9)	163				

Topic 12: Developing Geometric Reasoning

34	Understand/use the sum of angles….						
	i) at a point (Q3)	20					
	ii) on a straight line (Q1,7)	35					
	iii) in a triangle (Q2,4,8)	37					
	iv) in a quadrilateral (Q7)	33					
35	Understand/use equality of vertically opposite angles (Q5,8)	39					

Topic 13: Developing Number Sense

36	Know and use mental addition/ subtraction/multiplication/division, including decimals and fractions (Q1,2,3,4,5,6,7)	6, 304, 199,200, 98,98a, 90,91,132					
37	Use estimation to check mental calculations (Q4a)	215					
38	Use number and algebraic facts (Q8)	19					

Topic 14: Sets and Probability

39	Identify and represent sets (Q2)	379					
40	Interpret and create Venn diagrams, understanding and using the intersection and union of sets (Q3,5)	379,380					
41	Calculate the probability of a single event (Q1,4,6)	245					
42	Understand and use the probability scale (Q7)	251					

Topic 15: Prime Numbers and Proof

43	Identify multiples and factors of numbers (including HCF/LCM) and expressions (Q1,4,5,8)	218,219, 220					
44	Recognise and identify prime, square and triangular numbers (Q2,3,6)	225, 226 229					
45	Express a number as a product of its prime factors (Q7)	223					