

PERSONALISED LEARNING CHECKLIST

Year 11 (F)– White Rose Maths

CM
Link

Sparx
Link

Red

Amber

Green

Revised
(Tick)

Areas of Study:

Topic 1: Gradient and lines

Autumn Term

1	Equations of lines (Q1,4&5)	CM194	U315				
2	Plot graph using xy table (Q2&6)	CM186	U741				
3	Simultaneous equations graphically (Q6)	CM297	U836				

Topic 2: Non-linear Graphs

4	Plot quadratic and reciprocal graphs (Q2,3&6)	CM264 CM346	U989				
5	Recognise types of graphs (Q1&5)	CM344 CM345	U667				

Topic 3: Using Graphs

6	Reflection shapes in given lines (Q1)	CM272	U799				
7	Interpret conversion graphs (Q2)	CM151 CM152	U652				
8	Interpret and construct distance time graphs (Q3&7)	CM171	U403				
9	Inverse proportion graphs (Q6)	CM255	U238				

Topic 4: Expanding and Factorising

10	Expand single and double brackets (Q1&3-5)	CM13 CM14	U179 U768				
11	Factorise expressions (Q2)	CM117	U365				
12	Factorise and solve quadratics (Q6-9)	CM118 CM266	U228				

Topic 5: Change the Subject

13	Solve equations and inequalities (Q1-3)	CM110 CM178 CM179	U325 U738				
14	Change the subject (Q4-7)	CM7	U675 U181				

Topic 6: Functions

15	Function machines (Q1&3)	CM386	U613				
16	Substitution (Q2)	CM20	U201				
17	Substitute into functions (Q4&6)						
18	Finding sides and angles using trigonometry (Q7)	CM329 CM330 CM331	U283 U545				

Topic 7: Multiplicative Reasoning

Spring Term

19	Similar shapes (Q1)	CM291	U578				
20	Direct and inverse proportion (Q2&7)	CM254 CM255	U721 U357				
21	Calculate with pressure and density (Q3&6)	CM384 CM385	U527 U910				
22	Working with fractions and ratios (Q5)	CM269 a	U881 U687				

Topic 8: Geometric Reasoning							
23	Angle facts and polygons	(Q1,3&5)	CM35-39 CM32	U390 U427			
24	Angles in parallel lines	(Q2)	CM231	U826			
25	Column vectors	(Q6)	CM353 a	U632			
Topic 9: Algebraic Reasoning							
26	Types of sequences and nth terms	(Q2,4,6&8)	CM288	U498			
27	Algebra notation	(Q1&5)	CM19	U613			
28	Simultaneous equations	(Q3&9)	CM295	U760			
Topic 10: Transforming and Constructing							
29	Enlargements	(Q1&5)	CM104	U519			
30	Translations, reflections and rotations	(Q2-4&7)	CM325 CM272 CM275	U196 U799 U696			
31	Loci and constructions	(Q6&8)	CM75-77	U820			
Topic 11: Listing and describing							
32	Combinations (Product rule for counting)	(Q1)	CM383	U369			
33	Sample Space diagrams	(Q2)	CM246	U104			
34	Scatter Graphs	(Q3)	CM165	U199			
35	Plans and elevations	(Q4)	CM354	U743			
36	Venn diagrams and notations	(Q5)	CM380	U476			
37	Comparing distributions	(Q6)	CM57c	U717			
38	Two way tables	(Q7)	CM319	U981			
Topic 12: Show that...							
39	Multiplying decimals	(Q1-3)	CM94	U293			
40	Fraction of amounts	(Q1&3)	CM137	U881			
41	Angle facts	(Q4)	CM35-39	U390			
42	Averages	(Q5)	CM50-57a	U456 U260 U526 U291			
43	Identities	(Q6)	CM367	U105			
44	Area and perimeter of shapes	(Q7)	CM44 CM45 CM48-49 CM241	U993			
45	Congruent triangles proof	(Q8)	CM328				