PERSONALISED LEARNING CHECKLIST							
Yea	ar 10 (H) – White Rose Maths	CM Link	Sparx Link	Red	Amber	Green	Revised (Tick)
Area	as of Study:						
Торіс	1: Congruence, similarity and enlargement				/	Autumn T	erm
1	Identify similar/congruent shapes and state the conditions of congruent triangles (Q1,2,3&8)	291 66	U551 U790				
2	Enlarge by a Negative scale factor (Q4)	108	U519				
3	Use parallel lines to find missing angles (Q5)	25	U826				
4	Prove triangles are congruent/similar (Q6&9)	292 67	U578 U887				
5	Find the volume of similar shapes (Q7)	293b	U110				
Торіс	2: Trigonometry						
6	Use the tan, sine and cosine ratio to find missing side lengths and angles (Q1,3&7)	329 330 331	U283 U545				
7	Calculate sides using Pythagoras' Theorem (Q2)	257	U3 <mark>85</mark>				
8	Use trigonometry in 3-D shapes (Q4)	332	U1 <mark>70</mark>				
9	Use sine and cosine rules (Q5&8)	333 335	U5 <mark>91</mark> U952				
10	Use a formula to find the area of non-right-angled triangles (Q6)	337	U592				
Topic	3: Representing solutions of equations and inequalities						
11	Form and solve equations and inequalities (Q1&4)	178	U3 <mark>37</mark>				
12	Represent and interpret solutions on a numberline as inequalities(Q2&3)	177	U509				
13	Represent inequalities as straight line graphs andfind regions that satisfy inequalities(Q5)	182	U747		3.55		
14	Solve quadratic equations using factorisation (Q6&7)	266	U178 U8 <mark>5</mark> 8				
Торіс	4: Simultaneous equations						
15	Determine whether (x,y) is a solution (Q1&2)	191	U760				
16	Form and/or solve simultaneous equations (Q4,5&7)	295	U269 U137 U760				
17	Solve simultaneous equations graphically (Q6)	297	U601				+
18	Solve simultaneous equations with quadratics	298	U547				
10	using substitution (Q8)						

Торіс	5: Angles and bearing			Spring Term
19	Measure and read bearings (Q1,2&3)	26	U525	
20	Make scale drawings using bearings (Q4)	283	U257	
20	Solve bearings problems using trigonometry (Q5)		U164	
22	Bearings problems with Sine/Cosine rules (Q6)		U591	
	6: Working with circles			
23	Calculate the area of a sector (Q1)	46	U373	
24	Solve problems with arc length (Q2)	58	U221	
	Understand and use volume of a cone, cylinder	357	U116	
25	and sphere (Q3&5)	359 361	U915 U617	
	Understand and use surface area of a cone,	314	U523	
26	cylinder and sphere (Q7)	315 313	U464 U893	
	Apply and prove circle theorem problems (Q4&6)	64	U807	
27	pp,,,	65abc	U251 U459	
Topic	7: Vectors		0459	
28	Understand and read vector notation (Q1)	353a	U <mark>632</mark>	
29	Addition and subtraction of column vectors (Q2)	353a	U9 <mark>03</mark>	
30	Understand vectors multiplied by a scalar (Q3)	353a	U5 <mark>64</mark>	
31	Understand vector journeys in shapes (Q4&5)	353	U7 <mark>8</mark> 1	
32	Understand Co-linear points using vectors (Q6)	353	U660	
Topic	8: Ratio and fractions			
	Write ratio as a fraction	269	U687	
33	Share an amount into a ratio	270	U57 <mark>7</mark>	
	Work out one value when given another (Q1)	271	U75 <mark>3</mark>	
34	Link ratios to fractions and Percentages (Q2&3)	269a 270	U176 U577	
35	Solve 'best buy' problems (Q4)	210	U595	
36	Ratio with algebra (Q5)	271d	U676	
37	Interpret ratios in the form 1:n or n:1 (Q7)	271c	U921	
38	Ratio with linear/area/volume problems (Q6&8)	271e	U5 <mark>95</mark>	
Topic	9: Percentages and interest			
39	Increase/ decrease by a given percentage (Q1)	238	U554 U349	
40	Express one number as a percentage (Q2)	237	U925	
	Calculate simple and compound interest (Q3)	236a	U533	
41		236	U332	
42	Find the original value     (Q4)	240	U286	
43	Calculate repeated percentage change (Q5)	233	U671	
44	Understand Iterative process (Q7)	373a	U434	
Topic 45	10: ProbabilityUse sample space diagrams(Q1)	246	U104	
45	Use probability that sums to 1 (Q2)	251	U408	
	Use tree diagrams (Q3&6)	252	U558	
47			U280	
48	Estimate with probabilities (Q4)	248	U580	
49	Use Venn diagrams (Q5)	380	U476	

Торіс	11: Collecting, representing and interpreting data			Su	mmer Term
50	Construct and interpret time series graphs (Q1)	382 160	U193		
51	Find and interpret averages from a grouped	52 55	U877		
52	frequency table(Q2)Construct and Interpret Cumulative frequency	154 155	U182 U642		
52	graphs (Q3) Interpret Box plots (Q4)	149	U879		
55	Construct and Interpret Histograms (Q6)	150 157	U983		
	12: Non-Calculator methods	158			
55	Use mental/written methods for the four number operations (Q1)	132 133	U417 U127		
56	Use four operations for fractions (Q2)	144 132- 134	U453 U736 U475	3	
57	Estimate solutions (Q3)	142 215	U544 U225		
58	Understand financial maths (Q4)	400a- 400j	U9 <mark>01</mark>		
59	Understand and calculate surds (Q5&6)	307 308	U4 <mark>99</mark> U872		
60	Understand limits of accuracy (Q7)	183 184 96	U657 U689		
61	Convert recurring decimals to fractions (Q8)	96	0689		
Topic 62	13: Types of number and sequences Describe and continue arithmetic and geometric	<mark>2</mark> 86	M9 <mark>91</mark>		
	sequences(Q1&2)Express numbers as product of primes and find	223	M1 <mark>08</mark>		
63	the HCF & LCM using Venn Diagrams (Q3)	218 219	M365		
64	Use the nth term of a linear sequence (Q4)	288	U498		
65	Describe and continue sequences using surds (Q5)	388a 388b 388c	U171		
66	Describe and continue quadratic/geometric sequences (Q6&7)	388	U206		
Topic	14: Indices and roots				
67	Understand standard form (Q1)	300	M719		
68	Compare values of numbers with indices (Q2)	175	U264		
69	Understand indices rules: power zero, negative/fractional indices, brackets and addition/subtraction rule (Q3,4,5&6)	173 174 175	M330 U534		
Topic	15: Manipulating expressions		1 1		
70	Solve problems with identities (Q1)	367			
71	Simplify algebraic fractions (Q2&3)	9	U105		
72	Work with algebraic proofs(Q4)Complete operations with algebraic fractions	365 115	U582 E290		
73	(Q5,6,7,8&9)				