PE	RSONALISED LEARNING C	HE	CKLI	ST			
Ye	ar 10 (F)– White Rose Maths	CM Link	Sparx Link	Red	Amber	Green	Revised (Tick)
Area	as of Study:						
Topic	1: Congruence, similarity and enlargement					Autumn T	erm
1	Enlarge by a positive scale factor (Q2)	104	U519				
2	Identify similar and congruent shapes (Q1&7)	291 66	U551 U790				
3	Work out missing sides and angles in similar shapes (Q5&9)	292	U578				
4	Use parallel lines to find missing angles (Q6&8)	25	U826				
Торіс	2: Trigonometry						
5	Work fluently with hypotenuse, opposite and adjacent sides (Q1,4&5)	329					
6	Use the tan, sine and cosine ratio to find missing side lengths (Q6&10)	330	U283				
7	Use the tan, sine and cosine ratio to find missing angles (Q7)	331	U54 <mark>5</mark>				
8	Calculate sides using Pythagoras' Theorem (Q2)	257	U385				
-	3: Representing solutions of equations and inequalities						
9	Form and solve equations and inequalities (Q1&3)	178	U33 <mark>7</mark>				
9 10	Represent and interpret solutions on a number	177	U509				
11	line as inequalities(Q2)Draw straight line graphs and find solutions tocountries	187	U741				
12	equations(Q4)Form and solve equations and inequalities with	113	U870 U738				
	unknowns on both sides (Q5&6)						
Topic	4: Simultaneous equations						
13	Determine whether (x,y) is a solution (Q1&2)	191					
14	Solve by substituting an expression (Q5)	20	U201				
15	Solve graphically (Q4)	297					
16	Solve simultaneous equations (Q3,7&9)	295	U760				
17	Form and solve linear simultaneous equations (Q8)	295	U269				
Торіс	5: Angles and bearings					Spring To	erm
18	Measure and read bearings (Q2&4)	26	U525				
19	Make scale drawings using bearings (Q5)	283					
20	Calculate bearings using angle rules (Q6)	27	U107				
21	Solve bearings problems using trigonometry (Q7)		U164				

Topic	6: Working with circles					
22	Recognise and label parts of a circle (Q1)	61	U767			
23	Calculate the area of a sector (Q4)	46	U373			
	Understand and use volume of a cone, cylinder	357	U116			
24	and sphere (Q5,6&8)	359 361	U915 U617			
	Understand and use surface area of a cone,	301	U523			
25	cylinder and sphere (Q6&7)	315	U464			
Topic	7: Vectors	313	U893			
-	Understand and read vector notation	353	U632			
26	(Q1&2)					
27	Draw vectors (Q3)	353a				
28	Addition and subtraction of column vectors (Q4)	353	U903			
	Draw and understand vectors with	353a	U632			
29	addition/subtraction (Q5&6)		U903			
Topic	8: Ratio and fractions					
30	Simplifying and equivalent ratio (Q1&4a)	269	U687			
31	Link ratios and fractions (Q2a&3)	269a	U1 <mark>76</mark>			
32	Share in a given ratio(Q2b,2c&5)	270	U57 <mark>7</mark>			
33	Solve 'best buy' problems (Q6)	210				
34	Ratio with algebra (Q7)		U67 <mark>6</mark>			
Topic	9: Percentages and interest					
25		130	Q128			
35	Convert and compare FDP (Q1)	234	U554			
36	Work out percentages of amounts (Q2)	234 235	U34 <mark>9</mark>			
37	Increase/ decrease by a given percentage (Q3)	238	M47 <mark>6</mark>			
38	Express one number as a percentage (Q4)	237	M533 U925			
50	Calculate simple and compound interest (Q5&7)	236a	U533			
39		<mark>236</mark>	U332			
40	Find the original value (Q6)	240	U286			
40	Calculate repeated percentage change (Q8)	233	U671			
	10: Probability					
42	Find probabilities of single events	245	U408			
42	(Q1)					
12	Use probability that sums to 1	251	U408			
43	(Q2)					
44	Use sample space diagrams and two-way tables	246	U104			
44	(Q3&4)					
45	Use tree diagrams	252	U558			
+J	(Q5)					
46	Estimate probabilities					
	(Q6)					
47	Use Venn diagrams	380	U476			
-77	(Q7)					

Торіс	11: Collecting, representing and interpreting data			Su	mmer Te	rm
48	Construct frequency polygons (Q1)	154 155	U840			
49	Interpret two-way tables & pie charts (Q3&6)	319 164	U981 U172			
50	Find and interpret averages from a grouped frequency table (Q5)	52 55	U877			
51	Construct and interpret time series graphs, stem and leaf diagrams and scatter graphs (Q4,7&8)	382	U200 U909 U199 U277			
Topic	12: Non-Calculator methods					
52	Use mental/written methods for the four number operations (Q1,2&7)		U417 U127 U453			
53	Estimate solutions (Q3)	215	U <mark>225</mark>			
54	Use four operations for fractions (Q4)	132- 134 142	U7 <mark>36</mark> U475 U544			
55	Understand limits of accuracy (Q5)	183 184	/			
56	Write exact answers (Q6)					
57	Understand financial maths (Q8)	400a- 400j	U901			
Topic	13: Types of number and sequences	1005				
58	Understand factors and multiples (Q1)	216 220	M82 <mark>3</mark>	1		
59	Describe and continue sequences (Q2,3a&4)	286	M99 <mark>1</mark>			
60	Find the nth term of a linear sequence (Q3b&3c)	288	U498			
61	Express numbers as a product of primes (Q5a&6)	223	M108			
62	Find the HCF and LCM (Q5c&5d)	218 219	M365			
Торіс	14: Indices and roots					
63	Identify square and cube numbers (Q1)	226 212				
64	Understand standard form (Q2&Q4)	300	M719	 		
65	Calculate roots (Q3)	228	M135			
66	Compare values of numbers with indices (Q5)	174	N4222			
67	Understand indices rules: power zero, negative indices, brackets and addition/subtraction rule (Q6&7)	174 175	M330 U534			
Topic	15: Manipulating expressions					
68	Simplify algebraic expressions (Q1&5)	9	U105			
69	Form and solve equations/inequalities (Q2,3&9)	115	E290			
70	Solve problems with identities (Q4&8)	367				
71	Work with algebraic proofs (Q6&7)	365	U582			

