Equations, Inequalities and Sequences:

Objective	Sparx Task	
Solve linear equations with unknowns on one side (including brackets)	U755 U325	
Solve linear equations with unknowns on both sides (including brackets)	U870	
Rearrange a formula	U556	
Give the solution set to an inequality and show on a number line	U509	
Solve a linear inequality (including double)	U759 U145	
Recognise and categorise different types of sequences (including one off sequences)	U680	
Generate different types of sequence (term to term/position to term)	U978	
Find an nth term rule for a linear sequence	U498	
*Substitute into a formula and solve the resulting equation		
*Solve a pair of inequalities and compare solution sets		
*Continue a quadratic sequence and use an nth term rule to generate a term		
*Continue a geometric progression and find a term to term rule		

*Additional objectives

Fractions, Indices and Standard Form:

Objective	Sparx	
	Task	
Perform the 4 operations with mixed numbers.	U793	
	U439	
	U224	
	U538	
Find and use reciprocals of integers, fractions and decimals		
Use and understand 'reciprocal' as a multiplicative inverse		

Use index laws to simplify and calculate values of numerical expressions	U235	
	U694	
Understand standard form and be able to convert large and small numbers	U330	
	U534	
Perform all 4 operations with numbers in standard	U264	
rorm.	U290	
Use standard form with calculators	U161	

Probability:

Objective	Sparx Task
Use a probability scale (distinguish between	U803
impossible, certain, likely, unlikely and even chance)	
Find probabilities from single theoretical events	U408 U510
including dice, coins, spinners etc.	
Work out probabilities from frequency tables,	U280
frequency tress and two way tables.	
Understand mutually exclusive events and that	U683
probabilities should always sum to 1.	
Be able to compare experimental and theoretical	U166
probabilities and make inferences	
Define experimental probability and understand	U673
relative frequency and expected outcomes.	
List outcomes systematically for single and combined	U104
events (sample spaces)	
Find probabilities from combined events and	
understand the importance of AND and OR in context.	
Use tree diagrams for two dependant/independent	U558 U729
events	
Fill in a Venn diagram from raw data or a frequency	U476
table	