

Transformations:

Objective	Sparx Task	
Draw and describe translations using column vector notation	U196	
Draw and describe rotations from the origin or and other coordinate	U696	
Draw and describe horizontal/vertical/diagonal reflections using mirror lines given by equations	U799	
Understand types of symmetry and be able to give an equation to define a line of symmetry	U849	
Draw and describe enlargements with and without a centre of enlargement		
Understand enlargements described with positive integer/ positive fractional and negative scale factors.	U519 U134	
Draw and describe combinations of transformations	U766	
Understand the invariance of the different types of transformations (and combinations)	U766	

Similarity & Congruence:

Objective	Sparx Task	
Understand and use SSS, ASA, SAS and RHS conditions to prove congruence and verify constructions	U790	
Solve problems by proving congruence	U887	
Understand similarity of triangles and other shapes. Use this to make inferences	U110	
Prove similarity by showing that corresponding angles are equal or side lengths are in the same ratio	U551	
Use formal geometric proof for the similarity of triangles	U887	
Understand and apply relationships between linear, area and volume scale factor of mathematically similar solids	U110	

Revision – Linear, Quadratic & other Graphs:

Objective	Sparx Task	
Use a table of values to plot a linear function (include horizontal/vertical lines)	U741	
Find the gradient of a line and use intercept to give an equation in the form $y=mx+c$	U741 U477	
Draw and interpret parallel/perpendicular functions	U898	
Find length and midpoint of a line segment	U933	
Find the equations of a line when given two coordinates	U858	
Plot straight line graphs from real life situations	U638	
Plot dist/time and vel/time graphs and interpret gradients	U562 U462	
Recognise linear, quadratic, cubic, reciprocal and circle graphs from shapes and functions	U593 U229 U980 U989	
Generate coordinates and plot quadratic graphs	U989	
Understand features of quadratic graphs and estimate solutions	U667	
Draw graphs of simple cubics	U980	
Draw reciprocal graph and circle centred on the origin		