

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	

Probability

Objective	Sparx Task	
1.Find single event probabilities including compliments and probabilities of events not happening.	U804	
2.List all outcomes of single and combined events systematically.	U104	
3.Understand experimental and theoretical probability.	U845	
4.Find relative frequency and expected out comes from experimental data.	U166	
5.Understand independent and mutually exclusive events.	U683	
6.Use tree diagrams to find probabilities of independent and dependant events.	U558 U729	
7.Use two way tables to find probabilities, including conditional.	U246	
8.Use a Venn diagram to represent real life situations.	U476	
9.Use a Venn diagram to find conditional probabilities.	U699	

10. Use intersection and union notation.	U748 U296	
11. Compare experimental/ theoretical probabilities and make inferences.	U775	