## <u>Year 8 Objective List – Higher</u> <u>HT6 – 2022-23</u>

## Probability:

Objective	Sparx Task
Calculate probabilities of outcomes	M941, M938
Find the probability of mutually exclusive outcomes and events	U683
Use and draw venn diagrams to find the probability of events	M829,M419
Calculate relative frequencies and use to estimate the probability of an event	M206
Use estimated probability to calculate expected frequencies	M206
Estimate probabilities using data from an experiment	M332
List possible outcomes in a sample space diagram and venn diagram	M718
Calculate probabilities of repeated events	M206
Construct tree diagrams	M299
Use tree diagrams to find probabilities of two or more events	M299
Venn diagrams	M829
Probability from Venn diagrams	M419
Probability from two way tables	
Conditional probability from two way tables	

## Angles:

Objective	Sparx Task
Scale drawings and measure	M112
Maps and scale	M112
Measuring and drawing angles	M780
Drawing circles using a radius and diameter	M196
Constructing triangles	M565
Construct a perpendicular bisector	M239
Construct a perpendicular from a point to a line and a point on a line	M239

Angle bisector	M232	
Loci	M253	
Find and describe regions using loci	M253	
Draw and measure bearings	M260	