Year 7 Objective List – Higher   HT5

Equations, sequences and graphs:

Objective	Sparx Task	
What is an equation	M509, M707	
Maintaining balance by adding the same to both sides	M509, M707	
Maintaining balance by multiplying on both sides	M509, M707	
Solving one step equations by balancing	M707	
Construct and solve one step equations	M957	
Solving two step equations	M509	
Construct and solve two step equations	M957	
Solving equations with brackets	M509	
Solving equations with unknown on both sides	M554	
Solve equations with x squared square roots	M509	
Finding the next term in a sequence	M381	
Identifying square, cube, and Fibonacci sequences	M981	
Recognise geometric arithmetic, quadratic and Fibonacci sequences and predict the next term	M981	
Finding the nth term from patterns such as matchsticks	M866	
Finding the nth term of an arithmetic sequence	M991	
Linking patterns. Nth terms and straight line graphs		
Recognise y=x and y=-x and be able to draw them	M544	
Work out the midpoint of a line segment	M622	
Find the endpoint when given the midpoint and an endpoint	M622	