Year 10 Autumn		
Foundation	Higher	
Real-life graphs	Transformation	
- Function machine	- Rotation	
- Coordinates and shapes in all four quadrants	- Translation	
- Coordinates of midpoint	- Reflection	
- Real-life graphs	- Enlargement	
- Distance-time graphs	- Preservation of properties under a given	
- Velocity-time graphs	transformation	
- Gradient as a rate of change	 Area after enlargement compared to before 	
	- Congruence	
	- Invariance points	
Straight Line graphs	Construction and Loci	
- Plot and draw graphs of $y = a$, $x = a$, $y =$	- Plan and elevation	
x and $y = -x$	- Map reading and scale drawing	
- Plot and draw graphs of $y = mx + c$	- Bearing	
- Plot and draw graphs of the form ax + by	- Angle bisection	
= c	- Line bisection	
- Gradient of a straight line	- Construct perpendicular line from a given	
- Gradient of parallel lines	point	
- Draw linear graphs using gradient and y-	- Construct 90^0 and 45^0	
intercept	- Construction of shapes	
- Find equation of a straight line	- The four loci	
	- Loci and regions	
Assessment 1		

Transformation	Quadratic and Simultaneous Equations	
- Congruent shapes	- Factorise and solve Quadratic equations	
- Rotation	- The use of completing the square method	
- Reflection	- Quadratic formula	
- Translation	- Elimination method of simultaneous	
- Enlargement	equation	
- Examine the impact of transformation	on on - Substitution method of simultaneous	
the image	equation	
	- Equation of circles	
	- Simultaneous equation involving one linear	
	and one quadratic	
	- Forming and solving simultaneous and	
	quadratic equations	
	- Solve inequality in one variable	
	- Solve inequality in two variables	
	- Inclusivity and exclusivity and inequality	
Y	/ear 10 Assessment 1	
Ratio Probability		
- Simplifying ratio	- Calculate the probability of event happening	
- Ratio to describe a situation	or not happening	
- Write ratios in the form 1:n or m: 1	- Experimental and theoretical probabilities	
- Ratio of quantity	- Expectations	
- Ratio when part is known	- Sample space diagram	
- Ratio to fractions	- Probability of event not happening	
- Ratio and linear functions	- Venn diagram and probability	
- Ratio to compare measures and	- Two-way table and probability	
currencies	- Laws of probability	
- Write area and volume in ratio	- Probability tree diagram	
	- Conditional probability	
Proportion		
- Direct and indirect proportion		
- Best buy		
- Unitary method of proportion		
- Proportion and recipes		

- Proportion problems and unitary method	
- Proportional graphs	
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Assessment 2	•