Maths Revision Plan

Date	Class	Lesson Topics	Afterschool RA Topics	Suggested Revision Topics/Links
wb 6th March	11Y1	• Non-calculator trigonometry • Sine rule for area • Cosine rule • Sine rule	Geometric sequences	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Fractions four operations • Indices • Change the subject		
	11X3	• Mock exam analysis	Changing the subject of a formula Linear Sequences	
	11X4	• Mock exam analysis	Changing the subject of a formula Linear Sequences	
	11X5	• Frequency tables • Simplifying, collecting like terms	Perimeter and algebra	
wb 13th March	11Y1	• Mean from frequency tables • Median from frequency tables • Transformations (negative and fractional enlargements) • Combined transformations • Simplifying indices	Grade 7 problem solving	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Probability – experimental and tree • Transformations • Transformations		
	11X3	• Substitution • Order of operations (including indices) • Share in a given ratio • Convert units for area and volume	Drawing and interpreting quadratic graphs Error Intervals	

	11X4	• Calculations with ratios, fractions and percentages • Sharing in a given ratio • Calculating with indices	Drawing and interpreting quadratic graphs Error Intervals	
	11X5	• Time calculations • Scale diagrams	Multiplication with decimals	
wb 20th March	11Y1	• Nth term of quadratic sequences • Completing the square (ax^2) • Solving by completing the square • Graph transformations • Proof	Iteration	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Simultaneous equations • Histograms • Proof	Vectors	
	11X3	• Adding and subtracting fractions • Dividing fractions • Solving inequalities • Vectors	Averages from frequency tables Plans and elevations	
	11X4	• Change the subject of a formula • Factorise quadratic expressions • Best buys (with offers)	Averages from frequency tables Plans and elevations	
	11X5	• Speed • Probability	Writing algebraic expressions	
wb 27th March	11Y1	• Congruency • Volume and area scale factors • Composite functions	Graph transformations	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Circle theorems • Algebraic fractions • Using quadratic formula	F(x) and graph transformations	
	11X3	• Mid-point of a line segment	Transformations	

		• Direct and indirect proportion • Scatter diagrams • Pythagoras	Simultaneous equations	
	11X4	• Direct and inverse proportion • Averages from frequency tables • Plans and elevations	Transformations Simultaneous equations	
	11X5	• Direct proportion, money • Timetables • Best buy	Direct and inverse proportion	
		Easter Holiday 3rd-14th April		
wb 17th April	11Y1	• Graphing inequalities • Circles, normals and tangents • Vectors • Bounds (especially converting between m/s to km/h)	Vectors (problem solving)	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• 3-d surface area and volume • Plans and elevations • Linear and quadratic sequences	Composite functions	
	11X3	• Solve quadratic equations • Interpret quadratic graphs • Compound measures • Simultaneous equations	Conversion, scales, and scale drawings Multi-angle problems	
	11X4	• Linear sequences • Area of circles • Trigonometry	Conversion, scales, and scale drawings Multi-angle problems	
	11X5	• Scatter graphs • Linear sequences (nth term)	Percentage increase worded problems Interest	
wb 24th April	11Y1	• Volume of cylinders • Mean (missing info) • Harder ratio problems	Volume and area problem solving	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Trigonometry - basic	Inequalities	

		• Trigonometry - complex • Percentages		
	11X3	• Rounding and error intervals • Linear sequences • Probability trees • Change the subject of a formula	Distance time graphs Fractions, ratios, and percentages	
	11X4	• Repeated percentage change (compound interest) • Quadratic Graphs • Calculating using probability (and/ or rule)	Distance time graphs Fractions, ratios, and percentages	
	11X5	• Area problem solving • FDP • Volume of cuboids and cylinders	Standard form	
wb 1st May	11Y1	• Compound density • Circle theorems • Algebraic quadratic fractions	Grade 9 problem solving	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• Capture and re-capture • Graphs/composite functions • Combined mean	Student topics	
	11X3	• Circles and part circles • Volume and surface area of cylinders • Repeated percentage change	Charts and graphs	
	11X4	• Transformations • Scale Diagrams • Perimeter (including algebra)	Charts and graphs	
	11X5	• Direct proportion, money, simultaneous equations • Pie charts • Change the subject of the formula	Independent events and probability trees	

wb 8th May	11Y1	• Rearranging harder formulae • Inverse proportion	Parallel and perpendicular lines	Individual plans from personal question level analysis. Use your revision guide, Hegartymaths or Mathsgenie.
	11Y2	• General revision • General revision • General revision		
	11X3	• Transformations • Trigonometry • Reverse percentages • Averages from frequency tables	Vectors	
	11X4	• Distance time graphs • Volume and surface area of cylinders • Standard form	Vectors	
	11X5	• Describe transformations • Similar triangles • Mean (problem solving)	Distance-time graphs	
		Exam season starts wb 15th May – exam/revision programme will be shared		