Subject/Course:	GCSE Maths Higher (Edexcel)
Student Name:	GCSE Year 11 students

Week 1: Monday 13 January – Friday 17 January Focus: Percentages and Algebra

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Simple Interest & Percentage Change	Solve problems involving simple and compound interest, percentage increases/decreases.	Corbett Maths, SPARX Maths	Use percentage multipliers for efficiency. Double-check conversions between fractions and percentages.
Tuesday	Expanding Brackets	Expand and simplify expressions involving single and double brackets.	Maths Genie, BBC Bitesize	Always write intermediate steps when expanding brackets to avoid small errors.
Wednesday	Equations with Fractions	Solve equations involving fractions in denominators.	Corbett Maths, SPARX Maths	Simplify equations by multiplying through by the denominator to eliminate fractions early.
Thursday	Angles in Polygons	Calculate interior and exterior angles for regular polygons.	BBC Bitesize, Maths Genie - Polygons	Use formulas like $\frac{360}{n}$ for exterior angles to speed up calculations.
Friday	Quiz and Recap	Mixed questions on percentages and algebra.	Corbett Maths - 5-a-Day, Kahoot	Reflect on errors made during the quiz—add these to your error log for review.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems involving simple and compound interest			
Use percentage multipliers for increases and decreases			
Expand and simplify single and double brackets			
Solve equations involving fractions in denominators			
Calculate interior and exterior angles of polygons			
Review quiz results and identify weaker areas			

Week 2: Monday 20 January – Friday 24 January

Focus: Data Representation and Geometry

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Two-Way Tables	Interpret and create two-way tables.	Maths Made Easy, Corbett Maths	Double-check totals for rows and columns to ensure accuracy.
Tuesday	Mean from Grouped Data	Estimate the mean from grouped and ungrouped data.	SPARX Maths, Maths Genie - Data	Use midpoints of grouped intervals to calculate means accurately.
Wednesday	Cumulative Frequency and Box Plots	Draw cumulative frequency diagrams and box plots; find interquartile ranges.	BBC Bitesize - Data, Corbett Maths	Plot cumulative frequency points at upper class boundaries for accuracy.
Thursday	Pythagoras' Theorem	Solve problems involving right-angled triangles in 2D and 3D.	Maths Genie - Pythagoras, SPARX Maths	Sketch triangles and label sides before applying the theorem.
Friday	Quiz and Recap	Mixed questions on data representation and geometry.	Corbett Maths - 5-a-Day, Kahoot	Reflect on errors in visual representations; revisit key concepts if necessary.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Interpret and create two-way tables			
Estimate the mean from grouped and ungrouped data			
Draw cumulative frequency diagrams and box plots			
Solve problems using Pythagoras' theorem in 2D and 3D			
Review quiz results and identify weak areas			

Week 3: Monday 27 January – Friday 31 January

Focus: Advanced Algebraic Techniques

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Factorising Quadratic Expressions	Factorise quadratic expressions including the difference of two squares.	Corbett Maths - Quadratics, Maths Genie	Write down all factor pairs of the constant term to quickly identify factors.
Tuesday	Standard Form and Bounds	Simplify, multiply, and divide in standard form; apply bounds to measurement problems.	BBC Bitesize - Standard Form, SPARX Maths	Double-check that all final answers are properly written in standard form.
Wednesday	Solving Quadratic Equations	Solve quadratic equations using factorization, completing the square, and quadratic formula.	Exam Solutions - Quadratics, Corbett Maths	Use the discriminant to determine the nature of the roots before solving.
Thursday	Expanding Expressions with Variables	Expand and simplify expressions involving multiple variables.	Maths Genie - Algebra, SPARX Maths	Carefully align terms when simplifying expressions to avoid errors.
Friday	Quiz and Recap	Mixed questions on advanced algebraic techniques.	Corbett Maths - 5-a-Day, Kahoot	Reflect on areas where steps were skipped, or errors occurred during expansion.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Factorize quadratic expressions including difference of two squares			
Simplify, multiply, and divide numbers in standard form			
Solve quadratic equations using three methods			
Expand and simplify expressions with multiple variables			
Review quiz results and identify weaker algebraic areas			

Week 4: Monday 3 February – Friday 7 February

Focus: Geometry and Graphs

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Volume and Surface Area	Calculate the volume and surface area of cylinders, pyramids, and composite shapes.	Maths Genie - Volume, Corbett Maths	Break complex shapes into smaller, simpler shapes for easier calculation.
Tuesday	Linear Graphs	Draw and interpret linear graphs using gradient-intercept form.	BBC Bitesize - Graphs, SPARX Maths	Use a table of values to ensure accuracy when plotting points.
Wednesday	Finding Equations of Lines	Derive the equation of a line from its graph.	Corbett Maths - Graphs, Maths Genie - Graphs	Identify the gradient and y-intercept before writing the equation.
Thursday	Real-Life Graph Problems	Solve problems involving distance-time graphs and rates of change.	Exam Solutions - Graphs, Maths Made Easy	Look for key information like steepness (speed) or flat sections (rest).
Friday	Quiz and Recap	Mixed questions on geometry and graphs.	Corbett Maths - 5-a-Day, Kahoot	Double-check graph interpretation errors and revisit missed geometry formulas.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Calculate the volume and surface area of composite shapes			
Plot and interpret linear graphs using $y=mx+c$			
Derive equations of lines from graphical information			
Solve real-life graph problems like distance-time questions			
Review quiz results and revisit challenging graph topics			

Week 5: Monday 10 February – Friday 14 February

Focus: Trigonometry and Measures

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Speed, Density, and Pressure	Solve problems involving these measures and their relationships.	Maths Genie - Measures, Corbett Maths	Clearly write formulas before substituting values to avoid calculation errors.
Tuesday	Trigonometric Ratios	Use sine, cosine, and tangent to solve problems in right triangles.	BBC Bitesize - Trigonometry, SPARX Maths	Sketch triangles and label sides relative to the angle for clarity.
Wednesday	Volume of 3D Shapes	Solve problems involving the volume of pyramids, cones, and spheres.	Maths Genie - Volume, Corbett Maths	Break composite shapes into simpler parts for easier calculations.
Thursday	Applications of Trigonometry	Solve real-world problems using trigonometric ratios.	Exam Solutions - Trigonometry, SPARX Maths	Use inverse trigonometric functions ($\sin^{-1}\theta$, $\cos^{-1}\theta$, $\tan^{-1}\theta$) to find angles.
Friday	Quiz and Recap	Mixed questions on trigonometry and measures.	Corbett Maths - 5-a-Day, Kahoot	Double-check units in your answers, especially when working with speed or volume.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems involving speed, density, and pressure			
Apply sine, cosine, and tangent to solve right triangle problems			
Calculate the volume of pyramids, cones, and spheres			
Use trigonometric ratios in real-world contexts			
Review quiz results and revisit weak trigonometry topics			

Week 6: Monday 17 February – Friday 21 February

Focus: Probability and Data Representation

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Probability of Combined Events	Use tree diagrams and Venn diagrams to calculate probabilities.	BBC Bitesize - Probability, Corbett Maths - Probability	Label branches clearly and ensure probabilities add to 1 for each event.
Tuesday	Conditional Probability	Solve problems where one event affects the probability of another.	Maths Genie - Probability, SPARX Maths	Use the formula
Wednesday	Cumulative Frequency and Box Plots	Draw cumulative frequency diagrams and box plots; calculate interquartile ranges.	BBC Bitesize - Data, Corbett Maths	Plot cumulative frequency points at upper class boundaries for consistency.
Thursday	Histograms	Draw and interpret histograms, especially with unequal class intervals.	Maths Genie - Histograms, SPARX Maths	Use the formula Frequency Density = $\frac{Frequency}{Class\ Width}$
Friday	Quiz and Recap	Mixed questions on probability and data representation.	Corbett Maths - 5-a-Day, Kahoot	Reflect on visualization errors (e.g., incorrect scales) and revisit problem areas.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems involving combined events using tree diagrams			
Apply conditional probability formulas effectively			
Draw and interpret cumulative frequency diagrams and box plots			
Use and interpret histograms with unequal intervals			
Review quiz results and identify challenging data topics			

Week 7: Monday 24 February – Friday 28 February

Focus: Transformations and Circle Theorems

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Transformations	Reflect, rotate, and translate shapes on coordinate grids.	Maths Genie - Transformations, Corbett Maths	Label the image and the original shape to avoid confusion.
Tuesday	Enlargement with Scale Factors	Enlarge shapes using positive and negative scale factors.	BBC Bitesize - Transformations, SPARX Maths	Clearly mark the centre of enlargement and check directions for negative scale factors.
Wednesday	Circle Theorems	Use circle theorems to calculate angles (e.g., cyclic quadrilaterals, tangents, alternate segments).	Maths Genie - Circle Theorems, Corbett Maths	Write down the theorem being applied for clarity and partial marks.
Thursday	Tangents and Alternate Segment Theorem	Solve problems involving tangents, chords, and alternate segment theorem in circles.	Exam Solutions - Geometry, SPARX Maths	Highlight key elements (radii, chords, tangents) on diagrams for easier identification.
Friday	Quiz and Recap	Mixed questions on transformations and circle theorems.	Corbett Maths - 5-a-Day, Kahoot	Revisit incorrect quiz responses; draw diagrams for clarification.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Perform reflections, rotations, and translations accurately			
Enlarge shapes using positive and negative scale factors			
Apply circle theorems to calculate angles in cyclic quadrilaterals and tangents			
Solve problems involving the alternate segment theorem			
Review quiz results and revisit weak transformation or geometry areas			

Week 8: Monday 3 March – Friday 7 March

Focus: Quadratic and Reciprocal Graphs

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Sketching Quadratic Graphs	Sketch and interpret quadratic graphs; find turning points and roots.	Corbett Maths - Quadratics, BBC Bitesize - Graphs	Use a table of values to plot key points before sketching.
Tuesday	Solving Quadratic Equations by Graphs	Solve quadratic equations graphically using intersections with axes.	Maths Genie - Quadratics, SPARX Maths	Identify roots visually at $y = 0$, confirm solutions algebraically if possible.
Wednesday	Exponential and Reciprocal Graphs	Draw and interpret exponential and reciprocal graphs.	Exam Solutions - Graphs, Corbett Maths - Graphs	Understand shapes of graphs: exponentials grow/shrink, reciprocals have asymptotes.
Thursday	Applications of Graphs	Solve real-world problems using quadratic and distance-time graphs.	BBC Bitesize - Graph Applications, Maths Made Easy	Highlight steepness and intersections to understand gradients and distances.
Friday	Quiz and Recap	Mixed questions on quadratic and reciprocal graphs.	Corbett Maths - 5-a-Day, Kahoot	Focus on asymptotes and turning points in graphs where errors occurred.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Sketch quadratic graphs and identify turning points			
Solve quadratic equations graphically and confirm solutions			
Draw and interpret exponential and reciprocal graphs			
Solve real-world problems using quadratic and distance-time graphs			
Review quiz results and focus on challenging graph types			

Week 9: Monday 10 March – Friday 14 March

Focus: Advanced Trigonometry and Probability

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Sine and Cosine Rules	Solve problems in non-right triangles using sine and cosine rules.	Maths Genie - Trigonometry, Corbett Maths	Label sides and angles clearly; check units when solving problems involving distance.
Tuesday	Area of Triangles Using Sine	Calculate the area of triangles using $\frac{1}{2}ab\sin C$	BBC Bitesize - Trigonometry, SPARX Maths	Ensure the included angle is known; double-check side lengths before calculation.
Wednesday	Tree Diagrams and Conditional Probability	Solve probability problems involving dependent and independent events.	Corbett Maths - Probability, Maths Genie - Probability	Label branches clearly and verify probabilities add up to 1 at each stage.
Thursday	Combined Probability	Solve problems involving combined events using set notation and Venn diagrams.	BBC Bitesize - Probability, SPARX Maths	Practice set notation rules like $P(A \cup B) = P(A) + P(B) - P(A \cap B)$
Friday	Quiz and Recap	Mixed questions on advanced trigonometry and probability.	Corbett Maths - 5-a-Day, Kahoot	Revisit any incorrect approaches; reattempt difficult tree or Venn diagram questions.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems using sine and cosine rules in non-right triangles			
Calculate areas of triangles using sine-based formulas			
Interpret and solve tree diagram probability questions			
Solve problems using set notation and Venn diagrams			
Review quiz results and target weaker trigonometry or probability topics			

Week 10: Monday 17 March – Friday 21 March

Focus: Data Representation and Algebraic Fractions

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Algebraic Fractions	Simplify, add, subtract, multiply, and divide algebraic fractions.	Maths Genie - Algebra, Corbett Maths	Factorise all numerators and denominators first to simplify correctly.
Tuesday	Upper and Lower Bounds	Solve problems using bounds and limits of accuracy.	BBC Bitesize - Bounds, SPARX Maths	Pay attention to measurement units and context when rounding values.
Wednesday	Histograms and Frequency Polygons	Draw and interpret histograms and frequency polygons.	Maths Genie - Histograms, Corbett Maths	Use correct scales and ensure frequency density calculations are accurate.
Thursday	Box Plots	Draw and interpret box plots, including calculating interquartile ranges.	BBC Bitesize - Data, SPARX Maths	Use the interquartile range to comment on the spread of data sets effectively.
Friday	Quiz and Recap	Mixed questions on data representation and algebraic fractions.	Corbett Maths - 5-a-Day, Kahoot	Reflect on errors, particularly in graphical representation tasks, and reattempt as needed.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Simplify and manipulate algebraic fractions			
Apply bounds and limits of accuracy in problem-solving			
Draw and interpret histograms and frequency polygons			
Construct and interpret box plots with interquartile ranges			
Review quiz results and revisit weaker topics in data representation			

Week 11: Monday 24 March – Friday 28 March

Focus: Functions and Iteration

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Functions	Understand composite and inverse functions; interpret function notation.	Maths Genie - Functions, Corbett Maths	Clearly separate $f(x), g(x)$ and their compositions for clarity.
Tuesday	Iterative Methods	Solve equations using iterative methods.	Exam Solutions - Iteration, SPARX Maths	Use initial values carefully to check convergence and iteration steps.
Wednesday	Gradient and Area Under Curves	Estimate gradients and areas under curves using trapezium rule.	Maths Genie - Gradients, BBC Bitesize - Graphs	Sketch strips for area approximations to visualize their contribution clearly.
Thursday	Distance-Time and Velocity-Time Graphs	Interpret and solve problems involving distance-time and velocity-time graphs.	Maths Made Easy - Graphs, Corbett Maths - Graphs	Highlight key features like gradients (speed) and area under the curve (distance).
Friday	Quiz and Recap	Mixed questions on functions and graphs.	Corbett Maths - 5-a-Day, Kahoot	Identify areas requiring further review and focus on weaker graph types or function applications.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Understand and apply function notation, including composites and inverses			
Solve equations using iterative methods			
Estimate gradients and areas under curves using trapezium rule			
Solve real-life graph problems involving distance and velocity			
Review quiz results and revisit weaker graph or function areas			

Week 12: Monday 31 March – Friday 4 April

Focus: Circle Theorems and Proportionality

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Circle Theorems	Use theorems to find angles in circles, cyclic quadrilaterals, and tangents.	Maths Genie - Circle Theorems, Corbett Maths	Write down the specific theorem being applied to gain clarity and maximize marks.
Tuesday	Cyclic Quadrilaterals	Solve problems involving opposite angles in cyclic quadrilaterals.	SPARX Maths, BBC Bitesize - Circles	Ensure the sum of opposite angles equals 180° before proceeding.
Wednesday	Alternate Segment Theorem	Apply the alternate segment theorem to calculate angles in circle problems.	Exam Solutions - Geometry, Corbett Maths - Circles	Highlight given radii, tangents, and chords for easier visualization.
Thursday	Proportionality	Solve problems involving direct and inverse proportionality.	Maths Genie - Proportions, BBC Bitesize - Proportionality	Clearly define relationships with $y = kx$ or $y = \frac{k}{x}$.
Friday	Quiz and Recap	Mixed questions on circle theorems and proportionality.	Corbett Maths - 5-a-Day, Kahoot	Reflect on errors and revisit challenging circle theorems or proportionality problems.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Apply circle theorems to solve angle problems			
Solve problems involving cyclic quadrilaterals and their properties			
Use the alternate segment theorem effectively			
Solve direct and inverse proportionality questions			
Review quiz results and revisit challenging circle theorems or proportionality areas			

Week 13: Monday 7 April – Friday 11 April

Focus: Trigonometry and Rates of Change

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Sine and Cosine Rules	Solve problems in non-right triangles using sine and cosine rules.	Maths Genie - Trigonometry, Corbett Maths	Clearly label sides and angles on triangles before starting calculations.
Tuesday	Area of Triangles Using Sine	Calculate the area of triangles using $\frac{1}{2}ab\sin C$	BBC Bitesize - Trigonometry, SPARX Maths	Use this method only when two sides and the included angle are known.
Wednesday	Rates of Change	Interpret and calculate rates of change in real-life contexts.	Exam Solutions - Rates of Change, Corbett Maths	Pay close attention to units when calculating rates (e.g., speed in m/s).
Thursday	Gradient and Area Under Curves	Estimate gradients and areas under curves using the trapezium rule.	Maths Genie - Gradients, BBC Bitesize - Graphs	Divide the graph into equal intervals and label each strip to visualize the process.
Friday	Quiz and Recap	Mixed questions on trigonometry and rates of change.	Corbett Maths - 5-a-Day, Kahoot	Identify weaker areas from the quiz and revisit specific formulas or techniques.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems using sine and cosine rules in non-right triangles			
Calculate triangle areas using sine-based methods			
Interpret rates of change and solve contextual problems			
Estimate gradients and areas under curves using the trapezium rule			
Review quiz results and revisit weaker trigonometry or rates of change topics			

Week 14: Monday 14 April – Friday 18 April

Focus: Advanced Algebra and Graphs

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Algebraic Proofs	Solve problems requiring algebraic proofs and identities.	Maths Genie - Proofs, Corbett Maths	Write each step clearly to show logical progression; check for common patterns.
Tuesday	Solving Simultaneous Equations	Solve linear and quadratic simultaneous equations graphically and algebraically.	Exam Solutions - Simultaneous Equations, SPARX Maths	Use substitution or elimination methods consistently to avoid mistakes.
Wednesday	Sketching Functions	Sketch and interpret cubic, reciprocal, and exponential functions.	Corbett Maths - Functions, Maths Genie - Graphs	Plot key points and note features like asymptotes and turning points.
Thursday	Gradient and Perpendicular Lines	Calculate gradients of perpendicular lines; solve problems using these properties.	BBC Bitesize - Gradients, Maths Made Easy - Lines	Use the relationship $m_1 . m_2 = -1$ for perpendicular gradients.
Friday	Quiz and Recap	Mixed questions on advanced algebra and graphs.	Corbett Maths - 5-a-Day, Kahoot	Reflect on errors and revisit weak areas highlighted in the quiz.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve algebraic proofs and identify common patterns			
Solve linear and quadratic simultaneous equations			
Sketch cubic, reciprocal, and exponential functions accurately			
Calculate and use gradients of perpendicular lines effectively			
Review quiz results and target weak algebra or graph topics			

Week 15: Monday 21 April – Friday 25 April

Focus: Predicted Paper 1 Topics

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Review of Algebra Topics	Revisit quadratics, factorization, simultaneous equations, and algebraic fractions.	OnMaths Predicted Papers, Maths Genie - Algebra	Focus on past mistakes from mock exams and reattempt them with proper steps.
Tuesday	Geometry and Measures	Revise circle theorems, transformations, and volume/surface area calculations.	Corbett Maths - Geometry, BBC Bitesize - Geometry	Sketch diagrams accurately and label all dimensions to avoid confusion.
Wednesday	Data Representation	Revise histograms, box plots, and cumulative frequency diagrams.	Maths Genie - Data, SPARX Maths	Ensure the axes and scales are labelled correctly for graphs and plots.
Thursday	Probability	Focus on tree diagrams, combined events, and conditional probability.	BBC Bitesize - Probability, Exam Solutions - Probability	Use diagrams to visualize probabilities and verify calculations step-by-step.
Friday	Timed Practice Paper 1	Complete a full Predicted Paper 1 under exam conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Prioritize questions that you can confidently solve first, then revisit harder ones.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Revisit algebra topics (e.g., quadratics, simultaneous equations, fractions)			
Solve geometry problems, including circle theorems and volume calculations			
Revise histograms, box plots, and cumulative frequency diagrams			
Solve probability problems involving tree diagrams and combined events			
Complete and analyse results from timed Predicted Paper 1			

Week 16: Monday 28 April – Friday 2 May

Focus: Exam Practice for Paper 1

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Timed Practice on Paper 1	Complete a full mock exam under timed conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Manage time effectively, allocating approximately 1.5 minutes per mark.
Tuesday	Error Analysis and Targeted Review	Review errors from Paper 1 and focus on weaker areas.	Corbett Maths, SPARX Maths	Categorize errors (e.g., algebraic mistakes, misread questions) and address each category.
Wednesday	Review Geometry Topics	Focus on transformations, circle theorems, and real-life applications like distance-time problems.	Maths Genie - Geometry, Exam Solutions - Geometry	Practice sketching diagrams for visual clarity and effective problem-solving.
Thursday	Algebra Review	Revisit key algebra topics like quadratics, graph sketching, and simultaneous equations.	BBC Bitesize - Algebra, Corbett Maths - Quadratics	Use graphing tools to confirm solutions to algebraic problems involving intersections.
Friday	Mini Mock Exam	Complete a mini mock focusing on Paper 1 topics.	Corbett Maths - Practice Papers, OnMaths Predicted Papers	Aim for accuracy over speed; ensure all workings are shown for partial credit.

Weekly Checklist

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Complete and analyse results from a full mock exam (Paper 1)			
Review and target weaker areas identified in mock exam analysis			
Solve geometry problems, focusing on transformations and circle theorems			
Revisit algebra topics, including graph sketching and simultaneous equations			
Complete and analyse results from a mini mock exam on Paper 1 topics			

Week 17: Monday 5 May – Friday 9 May

Focus: **Advanced Topics and Paper 1 Practice**

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Advanced Algebra Topics	Revisit factorization, completing the square, and solving quadratic equations.	Corbett Maths - Quadratics, Exam Solutions - Algebra	Write all intermediate steps for completing the square to avoid errors.
Tuesday	Probability and Statistics	Focus on combined probability, histograms, and cumulative frequency.	Maths Genie - Data, SPARX Maths	Pay close attention to the context of probability and ensure total probability equals 1.
Wednesday	Circle Geometry	Revise circle theorems and calculate the area and circumference of circles.	BBC Bitesize - Circles, Maths Genie - Circles	Sketch accurate diagrams and label radii, chords, or tangents clearly.
Thursday	Transformations and Graphs	Combine transformations and sketch quadratic, exponential, and reciprocal graphs.	Corbett Maths - Transformations, Exam Solutions - Graphs	Use a table of values to ensure accurate graph plotting.
Friday	Timed Practice Paper 1	Complete a Predicted Paper 1 under timed conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Manage time effectively and review areas of improvement.

Weekly Checklist: Week 17

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Revisit advanced algebra topics like completing the square			
Solve combined probability problems and revise histograms			
Apply circle theorems and solve area/circumference questions			
Sketch and interpret quadratic, exponential, and reciprocal graphs			
Complete and analyse results from Predicted Paper 1			

Week 18: Monday 12 May – Friday 16 May

Focus: **General Review and Paper 2 Practice**

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Mixed Algebra Review	Focus on simultaneous equations, proofs, and graph sketching.	Corbett Maths - Simultaneous Equations, BBC Bitesize - Algebra	Practice consistently to avoid small algebraic errors.
Tuesday	Probability Applications	Solve problems with tree diagrams, set notation, and Venn diagrams.	Maths Genie - Probability, SPARX Maths	Use clear diagrams to organize your work.
Wednesday	Geometry and Graphs	Review transformations and sketch quadratic and exponential graphs.	Exam Solutions - Transformations, BBC Bitesize - Graphs	Label key points and features on graphs.
Thursday	Timed Practice Paper 2	Complete a Predicted Paper 2 under timed conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Focus on time management and accuracy.
Friday	Error Analysis	Analyse errors from Paper 2 practice and review weak areas.	Corbett Maths - Error Analysis, SPARX Maths	Create an error log to track common mistakes and revise related topics.

Weekly Checklist: Week 18

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Revisit algebra topics, including simultaneous equations and proofs			
Solve advanced probability problems using diagrams			
Review transformations and graph sketching techniques			
Complete and analyse results from Predicted Paper 2			
Tackle weaker areas identified during error analysis			

Week 19: Monday 19 May – Friday 23 May

Focus: **Paper 2 Topics and Practice**

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Monday	Advanced Trigonometry	Solve problems using sine and cosine rules and area of triangles with sine.	Corbett Maths - Trigonometry, Maths Genie - Trigonometry	Label triangles clearly and organize your work to avoid mistakes.
Tuesday	Probability and Statistics	Solve combined event problems using tree diagrams, Venn diagrams, and conditional probability.	Maths Genie - Probability, BBC Bitesize - Probability	Ensure probabilities sum to 1 and clearly label branches on tree diagrams.
Wednesday	Circle Geometry	Revisit circle theorems, tangents, and polygons' angle properties.	Corbett Maths - Circle Theorems, BBC Bitesize - Polygons	Draw accurate diagrams and identify theorems being applied.
Thursday	Timed Practice Paper 2	Complete another Predicted Paper 2 under timed conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Focus on areas identified as challenging in previous practices.
Friday	Error Analysis	Revisit Paper 2 errors and redo the most challenging questions.	Corbett Maths - Error Analysis, SPARX Maths	Log errors in your error tracker and redo related problems.

Weekly Checklist: Week 19

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Solve problems using sine and cosine rules and area formulas for triangles			
Solve probability problems involving tree diagrams and conditional probability			
Revisit and apply circle theorems and angle properties effectively			
Complete and analyse results from Predicted Paper 2			
Focus on challenging questions identified in error analysis			

Week 20: Monday 2 June – Tuesday 10 June

Focus: **Paper 3 Topics and Practice**

Day	Topic	Key Knowledge/Skills/Questions	Resources/Activities/Links	Tips for Success
Wednesday (5 June)	Paper 3 Topics Review	Focus on trigonometry, probability, and graphs.	BBC Bitesize, Corbett Maths	Address areas identified as weak in previous reviews.
Thursday (6 June)	Timed Practice Paper 3	Complete a full Predicted Paper 3 under timed conditions.	OnMaths Predicted Papers, Edexcel Past Papers	Manage time effectively and focus on accuracy.
Friday (7 June)	Geometry and Graphs	Review transformations, coordinate geometry, and graph sketching.	Maths Genie - Geometry, Exam Solutions - Graphs	Practice diagram labelling for clarity in solutions.
Monday (9 June)	Quick Revision	Lightly revise high-yield topics and finalize strategies.	BBC Bitesize, Corbett Maths	Prioritize weaker areas but avoid fatigue.
Tuesday (10 June)	Relaxation and Exam Prep	Focus on mental readiness and manage stress effectively.	Relaxation Techniques, BBC Bitesize - Exam Tips	Stay confident and review exam-taking strategies.

Weekly Checklist: Week 20

Task/Topic	Confidence Level (Low/Medium/High)	Completed (✓)	Notes for Revision
Review key Paper 3 topics such as trigonometry, probability, and graphs			
Complete and analyse results from Predicted Paper 3			
Revisit high-yield geometry and graph topics			
Quickly revise weaker areas and key strategies			
Mentally prepare for exam day			