

SJBC Curriculum Termly Plan: Y10 Maths

Term	Topic(s) and links to other subjects	Core Knowledge	Core Vocabulary	Assessment	Resources
Autumn 1	Graphs and sequences	Students will revise and develop their understanding of: <ul style="list-style-type: none"> • Simultaneous Equations • Circles • Pythagoras' theorem • Volume and surface area • Angles and reasons • Indices • Fraction calculations • Prime factor decomposition 	<ul style="list-style-type: none"> ➤ Linear ➤ Linear graph ➤ Area ➤ Volume ➤ Surface area ➤ Prism ➤ Circumference ➤ Diameter ➤ Radius ➤ Tangent ➤ Chord ➤ Coefficient ➤ Variable ➤ Corresponding angles ➤ Alternate angles ➤ Co-Interior angles ➤ Prime number ➤ Highest Common Factor (HCF) ➤ Lowest Common Multiple (LCM) ➤ Polygon 	Common topics test x 3	Core resources: Sparx Maths genie.co.uk Youtube www.examq.co.uk
Autumn 2		Students will revise and develop their understanding of: <ul style="list-style-type: none"> • Trigonometry • Transformations • Expanding and factorising • Rearrange formula • Plans and elevations • Laws of indices 	<ul style="list-style-type: none"> ➤ Hypotenuse ➤ Adjacent ➤ Theta ➤ Variable ➤ Factorise ➤ Term ➤ HCF 	Common topics test x 3	Core resources: Sparx Maths genie.co.uk Youtube www.examq.co.uk

Spring 1		<p>Students will revise and develop their understanding of:</p> <ul style="list-style-type: none"> • Error intervals • Area and Volume • Inequalities • Scale drawings • Graphs and their equations • Sequences 	<ul style="list-style-type: none"> ➤ Inequality ➤ Bound ➤ Area ➤ Volume ➤ Prism ➤ Table of values ➤ Linear ➤ Quadratic ➤ Substitution ➤ Nth term 	Common topics test x 3	<p>Core resources:</p> <p>Sparx</p> <p>Mathsgenie.co.uk</p> <p>Youtube</p> <p>www.examq.co.uk</p>
Spring 2		<p>Students will revise and develop their understanding of:</p> <ul style="list-style-type: none"> • Scatter graphs • Percentages • Averages from tables • Bearings • Averages • Probability • Standard form 	<ul style="list-style-type: none"> ➤ Correlation ➤ Mean ➤ Median ➤ Mode ➤ Modal ➤ Outcomes ➤ Event ➤ Die / dice ➤ Intersection ➤ Universal set 	Common topics test x 3	<p>Core resources:</p> <p>Sparx</p> <p>Mathsgenie.co.uk</p> <p>Youtube</p> <p>www.examq.co.uk</p>
Summer 1		Revision and GCSE Exams			
Summer 2		Revision and GCSE Exams			