

1c. Curriculum Overview: Mathematics



SAINTS PETER AND PAUL
CATHOLIC HIGH SCHOOL

Year 10 Mathematics			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
KS4 NC And GCSE Specification	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Geometry – Trigonometry (H) • Geometry – Angles (C/F) • Number – Fractions • Statistics – Probability • Number – Indices • Algebra – Manipulation • Geometry – Compound measures • Statistics – Representing data <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Baseline assessment • Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3) • Aspire Assessment 1 <p><u>What is the standardised homework?</u> Weekly online task on www.sparxmaths.com – these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics. Each task is tailored to suit the bespoke needs of each individual student.</p>	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Algebra – Graphs • Geometry – Similar shapes • Algebra – Quadratics (H) • Algebra – Rearranging formulae (C/F) • Ratio and Proportion – Direct and inverse proportion • Geometry – Volume and surface area <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3) <p><u>What is the standardised homework?</u> Weekly online task on www.sparxmaths.com – these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics. Each task is tailored to suit the bespoke needs of each individual student.</p>	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Algebra – Inequalities • Number – Surds (H) • Number – Standard form (C/F) • Algebra – Simultaneous equations (H) • Geometry – Further trigonometry (H) • Geometry – Trigonometry (C/F) • Geometry – Construction <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3) • Aspire Assessment 2 (shortened past paper exam series) <p><u>What is the standardised homework?</u> Weekly online task on www.sparxmaths.com – these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics. Each task is tailored to suit the bespoke needs of each individual student.</p>

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Year 11 Mathematics			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
GCSE Specification	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Statistics – Graphs and charts • Geometry – Angles (F) • Geometry – Circle theorems (H) • Algebra – Formulae • Algebra – Trigonometric graphs and transformations (H) • Algebra – Graphs recap (F) <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers as per GCSE assessment criteria on each of the topics covered this term (Higher: 40% AO1, 30% AO2, 30% AO3 and Foundation: 50% AO1, 25% AO2, 25% AO3) • Mock exam series 1 (past paper exam series) <p><u>What is the standardised homework?</u></p> <ol style="list-style-type: none"> 1) Weekly online task on www.sparxmaths.com – <i>these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics.</i> 2) Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week 3) Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series. 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Geometry – Congruence (H) • Geometry – Vectors • Algebra – Proof (H) • Algebra – Real-life graphs (F) • Algebra – Kinematics (H) • Algebra – Equations recap (F) • Algebra – Functions and iteration (H) <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers as per GCSE assessment criteria on each of the topics covered this term (Higher: 40% AO1, 30% AO2, 30% AO3 and Foundation: 50% AO1, 25% AO2, 25% AO3) • Mock exam series 2 (past paper exam series) <p><u>What is the standardised homework?</u></p> <ol style="list-style-type: none"> 1) Weekly online task on www.sparxmaths.com – <i>these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics</i> 2) Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week 3) Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series. 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Bespoke revision tailored to the needs of students. Detailed QLA of the mock exam series identify which areas of focus are needed on a class-by-class need. • Thematic revision and exam strategy preparation <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • No new assessments other than weekly homework papers which are marked and monitored by class teacher. Previous progress checkers revisited and learning gaps addressed. <p><u>What is the standardised homework?</u></p> <ol style="list-style-type: none"> 1) Weekly online task on www.sparxmaths.com – <i>these alternate between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics</i> 2) Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week 3) Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series.

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