

1c. Curriculum Overview: Mathematics



SAINTS PETER AND PAUL
CATHOLIC HIGH SCHOOL

Year 7 Mathematics			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
KS2/3 NC	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Statistics – Simple probability • Number – Place value • Algebra – Sequences • Number – Addition and subtraction • Number – Efficient calculations • Number – Multiplication and division • Shape – Area <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Baseline assessment • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills <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"> • Number – Converting and ordering fractions, decimals and percentages • Algebra – Algebraic notation • Shape – Properties of shape • Number – Directed numbers <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills • 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"> • Number – Fractions and percentages of numbers • Number – Fractions (add/subtract) • Statistics – Averages and statistical diagrams • Number – Primes and proof • Geometry – Construction <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills • Aspire assessment 2 <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 8 Mathematics			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
KS3 NC	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Geometry – Transformations and similar shapes • Number – Indices • Geometry – Angles in parallel lines • Number - Estimation • Geometry – Area and circles • Number – Percentages • Algebra – Inequalities <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Baseline assessment • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills <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"> • Geometry – Angles in polygons • Algebra – Brackets • Geometry – Pythagoras’ theorem • Statistics – Representing data • Number – Standard form <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills • 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 – Sequences • Geometry – Volume and surface area • Algebra – Formulae • Number – Fractions • Geometry – Trigonometry • Algebra – Graphs • Geometry – Loci and construction <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • End of topic assessments on each of the topics covered this term which assess fluency, linking, reasoning and problem-solving skills • Aspire assessment 2 <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 9 Mathematics			
Refer to			
KS3 NC and GCSE Specification	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> • Number – Calculations • Number – Types of number • Algebra – Expressions and brackets • Geometry – Transformations <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Baseline assessment • Progress checkers written in line with our mastery model. Assessment weighting: 50% fluency/skills, 50% problem solving, reasoning and linking skills <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"> • Ratio and Proportion – Ratio • Algebra – Sequences • Algebra – Equations and inequalities • Algebra/Geometry – Deductions • Geometry – Area and Perimeter • Geometry – Pythagoras and trigonometry <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers written in line with our mastery model. Assessment weighting: 50% fluency/skills, 50% problem solving, reasoning and linking skills • 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"> • Number – Fractions • Geometry – 3D Shape • Probability – Probability • Statistics – Representing data <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> • Progress checkers written in line with our mastery model. Assessment weighting: 50% fluency/skills, 50% problem solving, reasoning and linking skills • Aspire assessment 2 <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>