

# Westfields Sports

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## Mathematics Web page



### Mathematics Web page

*Faculty Members*

*Mr Barrett (HT Mathematics)*

*Mr Carter (HT Timetable)*

*Mr Chesher*

*Mr Brodel*

*Mr Donaldson*

*Mrs Freer*

*Mrs Jenkins*

*Ms Katsaros*

*Mr Kumar*

*Mrs Lumley*

*Mr Safiq*

*Mr Sheelah*

*Mr Symes (HT Administration)*

*Ms Ung*

*Mrs Van Hoek*



**WESTFIELDS**  
**S P O R T S**  
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*Our aim is to promote students' appreciation of mathematics and develop their mathematical thinking, understanding, confidence and competence in solving mathematical problems.*

## **Courses Offered**

### **Year 7**

*All students in year 7 study a common course.*

### **Year 8**

*Students are graded for year 8 on their performance in assessment tasks held in year 7. A common course is studied by all year 8.*

### **Year 9 and Year 10**

*Three courses are offered in years 9 and 10 and the course is studied for 2 years. The 5.3 (Advanced) course caters for the top 60 students from year 8. The 5.2 (Intermediate) course is for the next 180 students determined from year 8 rankings. The 5.1 (Standard) course is for the remaining students based on year 8 rankings.*

### **Year 11 and Year 12**

*It is expected that the top students in the year 10 advanced course would progress onto 2 unit Mathematics whilst the lower Advanced students along with the Intermediate group would be best suited to the General Mathematics course. Extension 1 maths is only offered to those students who are selected in the top class for 2 unit Mathematics in year 11.*

*All students need to satisfy the requirements of the year 11 Preliminary course before progressing onto the HSC course.*

### **Accelerated Courses**

*Pure Maths – the very best students from year 8 are selected and given the opportunity to study our accelerated Mathematics course. These students will complete both the year 9 and year 10 advanced (5.3) course and sit the School Certificate exam whilst in year 9.*

*During year 10 Pure Maths students will study the year 11 Preliminary and year 12 HSC course for 2 unit Mathematics and sit the Higher School Certificate exam.*

*Following this these students will study the Preliminary and HSC course for Extension 1 Maths whilst in year 11 and sit the HSC exam for this course. They also have the option of re-sitting the 2 unit HSC exam to try and gain a better mark (if required).*

*In year 12 our accelerated students can opt to study the Extension 2 course for the HSC or they can once again re-sit either the 2 unit or Extension 1 courses to maximise their mark. Alternatively they can keep their 2 unit and Extension 1 marks from previous years and concentrate their efforts on other subjects.*

**The Mathematics Faculty would like to advise all students of the following items available to purchase. The calculators described below can be purchased from the front office. These calculators are approved for use within our classes at Westfields Sports and it is recommended that all students make the appropriate purchase.**

#### **Graphics Calculators \$140**

*Graphics Calculators are available for students studying **General Mathematics in Year 11 and Year 12**. These calculators can benefit students greatly in this HSC course. Please purchase from front office at cost of \$140.*

#### **Calculators \$25**

*Scientific calculators are available for purchase from the front office for \$25. It is recommended that **all** students purchase a CASIO brand calculator (fx-82 AU – current model) for ease of learning in the classroom.*

#### **Textbook Covers \$4**

*The Mathematics Department goes to great expense to ensure that students have a resource (text) that benefits each student. It is expected that these textbooks are looked after and returned in good condition. The purchase of a textbook cover at \$4 will ensure your child can look after this valuable school resource. Penalties/Fines apply to damaged or lost texts. Please purchase covers at the front office.*



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2009

TERM 1

Year 7 - Stage 4 Overview										
1	2	3	4	5	6	7	8	9	10	11
1. Whole Numbers NS4.1		2. History of number NS4.1		revision COMMON TEST 1 10%	3. 3D Shapes SGS4.1		4. Directed Number NS4.2		5. Angles SGS4.2	

TERM 2

1	2	3	4	5	6	7	8	9	10	11
revision HY EXAM 30%	NAPLAN review		NAPLAN		6. Number Theory NS4.1		7. Fractions NS4.3		8. Time MS4.3	9. Decimals NS4.3

TERM 3

1	2	3	4	5	6	7	8	9	10
10. Length and Perimeter MS4.1		revision COMMON TEST 2 10%	11. Area MS4.1		12. Patterns and Algebra PAS4.1-4.2		13. Further Algebra PAS4.3		

TERM 4

1	2	3	4	5	6
revision YEARLY EXAM 50%	14. Number Plane PAS4.5		15. Triangles and Quadrilaterals SGS4.3		ROLL OVER

<u>COMMON TEST 1</u>	: last period of the we 27th Feb	- Topics 1 and 2
<u>HALF YEARLY EXAM</u>	: last 2 periods of the we 1st May	- Topics 1 - 5
<u>COMMON TEST 2</u>	: last period of the we 14th Aug	- Topics 6 - 10
<u>YEARLY EXAM</u>	: last 2 periods of the we 23rd Oct	- Topics 6 - 13

Above Amendments: Half Yearly Exams Year 7 last 2 periods week 2  
Also below Year 8 will be Thurs week 2



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2008

TERM 1

Year 8 - Stage 4 Overview										
7	8	9	10							
REVIEW Fractions, Decimals & Directed Number		Working Mathematically (booklet)								
1. Percentages NS4.3										

TERM 2

1	2	3	4	5	6	7	8	9	10	11
2. Ratio & Rates NS4.3		3. Probability NS4.4		revision COMMON TEST 1 10%	4. Further Algebra II PAS4.3		5. Graphs, Tables & Charts DS4.1			

TERM 3

1	2	3	4	5	6	7	8	9	10	11
revision HY EXAM 30%	6. Angles SGS4.2		7. Equations PAS4.4		8. Pythagoras' Theorem MS4.1		9. Linear Relationships PAS4.5			

TERM 4

1	2	3	4	5	6	7	8	9	10
10. Circles MS4.1		revision COMMON TEST 2 10%	11. Surface Area MS4.2		12. Congruence SGS4.4		13. Statistics DS4.2		

1	2	3	4	5	6
revision YEARLY EXAM 50%	14. Volume MS4.2		15. Similarity SGS4.4		ROLL OVER

<u>COMMON TEST 1</u>	: Friday 27th February period 2	- Topics 1, 2 and 3
<u>HALF YEARLY EXAM</u>	: Thursday 30th April periods 5,6	- Topics 1 - 5
<u>COMMON TEST 2</u>	: Friday 14th August period 2	- Topics 6 - 10
<u>YEARLY EXAM</u>	: Thursday 22nd October periods 5,6	- Topics 6 - 13

**CALCULATORS ARE REQUIRED FOR ALL ASSESSMENTS**

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- If a student is absence from an assessment, a note or medical certificate is to be given to the Class Teacher.
- Students are expected to sit for the exam on the first day of their return to school.



**TERM 4**  
2008

7 1. Number Computation NS 5.2.1	8 8	9 Working Mathematically (Booklet)	10 10	<b>Year 9 - Stage 5 Overview</b>			
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2

**TERM 1**

1 2. Indices NS 5.1.1 NS 5.3.1 PAS 5.1.1 PAS 5.2.1	2 2	3 3. Perimeter & Area MS 5.1.1 MS 5.2.1	4 4	5 revision COMMON TEST 1 10%	6 4. Algebra I Simplifying & Expanding PAS 4.3 PAS 5.2.1 PAS 5.3.1	7 7	8 8	9 5. Statistics I DS 5.1.1	10 10	11 11
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**TERM 2**

1 revision	2 HY EXAM 30%	3 NAPLAN	4 4	5 6. Consumer Arithmetic Earning & Spending NS 5.1.2	6 6	7 7. Linear Equations & Inequations PAS 4.4 PAS 5.2.2 PAS 5.3.2	8 8	9 9	10 8. Surface Area MS 5.2.2 MS 5.3.1	11 11
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**TERM 3**

1 9. Algebra II Factorising PAS 4.3 PAS 5.2.1 PAS 5.3.1	2 2	3 revision COMMON TEST 2 10%	4 4	5 10. Coordinate Geometry PAS 5.1.2 PAS 5.2.3	6 6	7 7. Graphing Linear Regions PAS 5.3.3	8 8	9 9	10 12. Probability NS 5.1.3
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9

**TERM 4**

1 revision YEARLY EXAM 50%	2 13. Geometry Angles & Theorems SGS 5.3.1 SGS 5.2.1 SGS 5.2.2 SGS 5.3.2	3 3	4 4	5 14. Graphs of Physical phenomena PAS 5.2.5 PAS 5.3.5	6 6
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ROLL OVER

<u>COMMON TEST 1</u> : Friday 27th February period 1	- Topics 1, 2 and 3
<u>HALF YEARLY EXAM</u> : Monday 4th May periods 4,5	- Topics 1 - 5
<u>COMMON TEST 2</u> : Friday 14th August period 1	- Topics 6 - 9
<u>YEARLY EXAM</u> : Thur 22nd Oct and Fri 23rd Oct period 4 period 1	- Topics 6 - 12



**TERM 4**  
2008

1 1. Number Computation 9: CHP 1	8 2. Indices/Equations Linear/inequations Quadratics 9: CHP 6 9: CHP 8 / 13	9 9	10 10	<b>Year 9 - Stage 5 PURE MATHS OVERVIEW</b> 10 periods/week						
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2

**TERM 1**

1 3. Per/ Area 9: CHP 7	2 4. Consumer Arithmetic Earning spending/tax 9: CHP 9 10:CHP 4	3 3	4 5. Stats 1 9: CHP 12	5 revision 9 COMMON TEST 1	6 6. Probability I and II 10: CHP 3	7 7	8 7. Similar Triangles 10: CHP 8	9 9	10 8. Linear & Non-Linear Graphs 10: CHP 5	11 11
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**TERM 2**

1 9 HY EXAM	2 10 HY EXAM	3 NAPLAN	4 9. Coordinate Geometry 9: CHP 10	5 5	6 10. Stats II 10: CHP 7	7 7	8 11. Simultaneous Equations 10: CHP 2	9 9	10 12. Surds 9: CHP 6	11 13. Graphs Phys Phen 9: CHP 15
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**TERM 3**

1 14. SA / Volume 9: CHP 7 10: CHP	2 2	3 revision 9 COMMON TEST 2	4 4	5 15. Trigonometry 9: CHP 14 10: CHP 9	6 6	7 7	8 16. Geometry Congruence 9: CHP 5	9 9	10 Year 10 YEARLY EXAM
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9

**TERM 4**

1 revision 9 YEARLY EXAM	2 Alg 2U 11: CH 1-4	3 3	4 4. Trig Equations Graphs Identities 11: CHP 8	5 5	6 6. Intro to Calculus 11: CHP 11	7 7
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ROLL OVER

<u>10 HALF YEARLY EXAM</u> : Week 2	- Topics 4, 2, 6, 8 and 7
<u>10 YEARLY EXAM</u> : Week 10	- Topics 10, 14, 15, 11, 12, 2

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2009

TERM 4  
2008

7	8	9	10	<b>Year 10 Stage 5.3 ADVANCED</b>
Computing Skills				
<b>1. Consumer Arithmetic</b> NS 5.2.2				

TERM 1

1	2	3	4	5	6	7	8	9	10	11
<b>2. Linear and Quadratic Equations</b> PAS 5.3.2		<b>3. Probability II</b> NS 5.3.2		revision <b>COMMON TEST</b> 20%	<b>4. Non-Linear Graphs</b> PAS 5.2.4 PAS 5.3.4			<b>5. Similar Triangles</b> SGS 5.2.2 SGS 5.3.3		

TERM 2

1	2	3	4	5	6	7	8	9	10	11
revision	<b>H/Y EXAM</b> 30%	<b>6. Statistics II</b> DS 5.2.1			<b>7. Volume</b> MS 5.2.2			<b>8. Trigonometry &amp; Further Trigonometry</b> MS 5.1.2 MS 5.2.3 MS 5.3.2		

TERM 3

1	2	3	4	5	6	7	8	9	10
<b>9. Simultaneous Equations</b> PAS 5.3.2			work experience	<b>10. Surds</b> NS 5.3.1		<b>11. Literal Equations</b> PAS 5.3.2		revision	<b>YEARLY EXAM</b> 50%

TERM 4

1	2	3	4	5	6	
Yr 11 <b>1. Algebra CHP 1-4</b> P1 - P4		<b>TRIAL EXAM</b> revision	<b>S/JC EXAM</b>	PREPARATION FOR <b>ENTRANCE TEST</b>		6 ROLL OVER

<u>COMMON TEST</u>	: Friday 27th February period 3	- Topics 1, 2 and 3
<u>HALF YEARLY EXAM</u>	: Monday 4th May periods 0,1	- Topics 1 - 5
<u>YEARLY EXAM</u>	: Monday 28th September periods 0,1	- Topics 6 - 11



2010

TERM 4  
2008

7	8	9	10	<b>Year 10 Stage 5.2 INTERMEDIATE</b>
Computing Skills				
<b>1. Consumer Arithmetic</b> NS 5.2.2				

TERM 1

1	2	3	4	5	6	7	8	9	10	11
<b>2. Linear and Quadratic Equations</b> PAS 5.2.2		<b>3. Probability II</b> NS 5.3.2		revision <b>COMMON TEST</b> 20%	<b>4. Non-Linear Graphs</b> PAS 5.2.4			<b>5. Similar Triangles</b> SGS 5.2.2		

TERM 2

1	2	3	4	5	6	7	8	9	10	11
revision	<b>H/Y EXAM</b> 30%	<b>6. Statistics II</b> DS 5.2.1			<b>7. Volume</b> MS 5.2.2			<b>8. Trigonometry</b> MS 5.2.3		

TERM 3

1	2	3	4	5	6	7	8	9	10
<b>9. Simultaneous Equations</b> PAS 5.2.2			work experience	<b>10. Congruent Triangles</b> SGS 5.2.2		<b>11. Further Trigonometry</b> MS 5.3.2		revision	<b>YEARLY EXAM</b> 50%

TERM 4

1	2	3	4	5	6	
Yr 11 <b>1. General Alg. Skills CHP 1</b> P1 / P2		<b>TRIAL EXAM</b> revision	<b>S/JC EXAM</b>	PREPARATION FOR <b>ENTRANCE TEST</b>		6 ROLL OVER

<u>COMMON TEST</u>	: Friday 27th February period 3	- Topics 1, 2 and 3
<u>HALF YEARLY EXAM</u>	: Monday 4th May periods 0,1	- Topics 1 - 5
<u>YEARLY EXAM</u>	: Monday 28th September periods 0,1	- Topics 6 - 11

**GEOMETRY SETS AND CALCULATORS ARE REQUIRED FOR ALL ASSESSMENTS AND FOR THE SCHOOL CERTIFICATE TRIALS AND EXAMS**

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2009

TERM 4  
2008

7	8	9	10	<b>Year 10 Stage 5.1 STANDARD</b>			
<b>Computing Skills</b>							
1. Consumer Arithmetic Interest and Loans <small>NS 5.1.2 NS 5.2.2</small>							

TERM 1

1	2	3	4	5	6	7	8	9	10	11
2. Algebra & Equations <small>PAS 5.2.2</small>		3. Probability II <small>NS 5.1.3</small>		revision <b>COMMON TEST</b> 20%	4. Non-Linear Graphs <small>PAS 5.1.2</small>			5. Similar Triangles <small>SGS 4.4 SGS 5.2.2</small>		

TERM 2

1	2	3	4	5	6	7	8	9	10	11
revision	H/Y Exam 30%	6. Statistics II <small>DS 5.1.1 DS 5.2.1</small>			7. Nets and Volume <small>MS 4.2 MS 5.2.2</small>		8. Trigonometry <small>MS 5.1.2 MS 5.2.3</small>			

TERM 3

1	2	3	4	5	6	7	8	9	10
9. Simultaneous Equations <small>PAS 5.2.2</small>			work experience	10. Congruent Triangles <small>SGS 4.4 SGS 5.2.2</small>		11. Coordinate Geometry <small>PAS 5.1.2</small>		revision	Yearly Exam 50%

TERM 4

1	2	3	4	5	6	7	8	9	10
Yr 11 1. General Alg Skills <small>CHP 1 P1 P2</small>		TRIAL EXAM revision	S/C EXAM	PREPARATION FOR ENTRANCE TEST		ROLL OVER			

<u>COMMON TEST</u>	: Friday 27th February period 3	- Topics 1, 2 and 3
<u>HALF YEARLY EXAM</u>	: Monday 4th May periods 0,1	- Topics 1 - 5
<u>YEARLY EXAM</u>	: Monday 28th September periods 0,1	- Topics 6 - 11

TERM 4  
2008

7	8	9	10	<b>Year 10 - Stage 6 Maths PURE MATHS OVERVIEW</b> 10 periods/week						
1. Further Calculus <small>CHP 12 P7 P9</small>		2. Geometrical Applications of Differentiation <small>CHP 16 H6 H7</small>								

TERM 1

1	2	3	4	5	6	7	8	9	10	11
3. Integration <small>CHP 18 H8</small>			Year 12 Assess Task 1	revision <b>COMMON TEST 1</b>	4. Trig Functions <small>CHP 20 H2 H5</small>		5. The Quadratic Polynomial <small>CHP 15 P5</small>		H/Y Exam Yr 12	6. Logs <small>CHP 19 H3</small>

TERM 2

1	2	3	4	5	6	7	8	9	10	11
6. Exp <small>CHP 19 H3</small>	H/Y Exam yr 10	6. Exp <small>CHP 19 CONT H3</small>	7. Applications of Calculus to the Physical World <small>CHP 21 H1 H5</small>			Year 12 Assess Task 2	8. Locus <small>CHP 18 P4</small>	9. Sequences and Series <small>CHP 14 H4</small>		

TERM 3

1	2	3	4	5	6	7	8	9	10
REVISION			work experience	Year 12 TRIAL EXAM	10. Probability <small>CHP 13 H7</small>			Harder 2U Topics	Yearly Exam Yr 10

TERM 4

1	2	3	4	5	6
REVISION		HSC Exam TRIAL Exam	S/C Exam	ROLL OVER	

<u>YR 12 ASSESSMENT TASK 1</u>	: Friday 20th February	- Topics 2 and 3
<u>YR 12 HALF YEARLY EXAM</u>	: TBA	- Topics 2 - 4
<u>YR 12 ASSESSMENT TASK 2</u>	: Friday 12th June	- Topics 6 and 7
<u>YR 12 TRIAL EXAM</u>	: TBA	- Topics 1 - 8 and Yr 11 Preliminary

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2009

**Year 11 Stage 6 - GENERAL MATHEMATICS**  
**Overview**

<b>TERM 4</b> 2008	1	2	3	4	5	6	7	8	9	10	
	1. Yr11 Algebra CHP 1 P1 P2		SCHOOL CERTIFICATE Revision/Trial/Exam			Crossroads	2. Model. Lin. Rel. CHP 1 P3 P5 P11		Algebra Test	2. Model. Lin. Rel. CHP 1 P3 P5 P11	
<b>TERM 1</b>	1	2	3	4	5	6	7	8	9	10	11
	3. Numerical Calculations CHP 2 P2		4. Rates, Variation & Linear Modelling P4 P5		Assess Task 1 27/2 WT: 20%	5. Earning Money and Tax CHP 5 P8		6. Right Angled Triangles CHP 7 P11			revision
<b>TERM 2</b>	1	2	3	4	5	6	7	8	9	10	11
	H/Y Exam WT: 30%		7. Measurement CHP 3 P7		8. Area and Volume CHP 3 P6		9. Probability CHP 9 P10		10. Investing Money CHP 10 P8		
<b>TERM 3</b>	1	2	3	4	5	6	7	8	9	10	
	11. Statistics 1 CHP 4 P9		12. Statistics 2 CHP 11 P9		13. Ratio and Similarity CHP 5 P6			revision	Yearly Exam WT: 50%		
<b>TERM 4</b>	1	2	3	4	5	6					
	HSC1. Further Trigonometry Year 12 Topic CHP 5 H2		HSC2. Further Area and Volume Year 12 Topic CHP 2 H6 H7			ROLL OVER					

<u>ASSESSMENT TASK 1</u>	: Friday 27th February Period 4	- Topics 3 and 4
<u>HALF YEARLY EXAM</u>	: TBA	- Topics 1 - 7
<u>YEARLY EXAM</u>	: TBA	- Topics 1- 13



2009

**Year 11 Stage 6 - MATHEMATICS**  
**Overview**

<b>TERM 4</b> 2008	1	2	3	4	5	6	7	8	9	10	
	1. Algebra CHP 1-4 P1 - P4		SCHOOL CERTIFICATE Revision/Trial/Exam			CROSSROADS	1. Basic Arith, Alg and Eqns CHP 1-4 P1 P3		Algebra Test	Topic 1. Cont.	
<b>TERM 1</b>	1	2	3	4	5	6	7	8	9	10	11
	2. Real Functions CHP 7 P5		Assess Task 1 27/2 WT: 20%		3. Trigonometric Ratios CHP 8,9 P4						revision
<b>TERM 2</b>	1	2	3	4	5	6	7	8	9	10	11
	H/Y Exam WT: 30%		4. Linear Functions CHP 10 P4			5. The Quadratic Polynomial CHP 15 P5					
<b>TERM 3</b>	1	2	3	4	5	6	7	8	9	10	
	6. Introductory Calculus CHP 11 P6				7. Calculus CHP 12 P7 P8			revision	Yearly Exam WT: 50%		
<b>TERM 4</b>	1	2	3	4	5	6					
	8. Locus CHP 17 P4		9. Plane Geometry CHP 5,6 P4			ROLL OVER					

<u>ASSESSMENT TASK 1</u>	: Friday 27th February Period 4	- Topics 1 and 2
<u>HALF YEARLY EXAM</u>	: TBA	- Topics 1 - 3
<u>YEARLY EXAM</u>	: TBA	- Topics 1 - 7

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## Year 12 Stage 6 - GENERAL MATHEMATICS OVERVIEW

<b>TERM 4</b> 2008	1. Further Trigonometry CHP 5 H2	2. Further Area and Volume CHP 2 H6 H7	7 8 3. Algebraic Skills CHP 1 H1/H3	9 10 4. Statistical Distributions CHP 4 H4												
<b>TERM 1</b>	1 2 3 5. Normal Distribution CHP 10 H9	4 Assess Task 1 22/2 WT-10%	5 6. Correlation CHP 10 H5	6 7 8 7. Credit and Borrowing CHP 3 H8												
<b>TERM 2</b>	1 2 8. Spherical Geometry CHP 7 H2	3 4 5 9. Further Probability CHP 6 H5/H10	6 revision	7 Assess Task 2 12/6 WT-10%												
<b>TERM 3</b>	1 2 3 revision	4 5 TRIAL Exam WT-50%	6 7 11. Depreciation CHP 8 H5	8 9 10 12. Modelling Non-Linear Relationships CHP 9 H11												
<table style="width: 100%; border: none;"> <tr> <td style="border: none;"><u>ASSESSMENT TASK 1</u></td> <td style="border: none;">: Friday 20th February Periods 5,6</td> <td style="border: none;">- Topics 4 and 5</td> </tr> <tr> <td style="border: none;"><u>HALF YEARLY EXAM</u></td> <td style="border: none;">: TBA</td> <td style="border: none;">- Topics 1-7</td> </tr> <tr> <td style="border: none;"><u>ASSESSMENT TASK 2</u></td> <td style="border: none;">: Friday 12th June Periods 5,6</td> <td style="border: none;">- Topics 8 and 9</td> </tr> <tr> <td style="border: none;"><u>TRIAL EXAM</u></td> <td style="border: none;">: TBA</td> <td style="border: none;">- Topics 1-10 and Yr 11 Preliminary</td> </tr> </table>					<u>ASSESSMENT TASK 1</u>	: Friday 20th February Periods 5,6	- Topics 4 and 5	<u>HALF YEARLY EXAM</u>	: TBA	- Topics 1-7	<u>ASSESSMENT TASK 2</u>	: Friday 12th June Periods 5,6	- Topics 8 and 9	<u>TRIAL EXAM</u>	: TBA	- Topics 1-10 and Yr 11 Preliminary
<u>ASSESSMENT TASK 1</u>	: Friday 20th February Periods 5,6	- Topics 4 and 5														
<u>HALF YEARLY EXAM</u>	: TBA	- Topics 1-7														
<u>ASSESSMENT TASK 2</u>	: Friday 12th June Periods 5,6	- Topics 8 and 9														
<u>TRIAL EXAM</u>	: TBA	- Topics 1-10 and Yr 11 Preliminary														



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## Year 12 Stage 6 - MATHEMATICS Overview

<b>TERM 4</b> 2008	PRELIM8. Locus P4	PRELIM9. Plane Geometry CHP 5, 6 P4	7 8 9 10 1. Geometrical Applications of Differentiation CHP 16 H6 H7												
<b>TERM 1</b>	1 2 3 2. Integration CHP 18 H8	4 Assess Task 1 20/2 WT-10%	5 6 7 8 3. Trigonometric Functions CHP 20 H2 H5												
<b>TERM 2</b>	1 2 3 4. Logarithmic & Exponential Func CHP 19 H3	4 5 5. Applications of Calculus to the Physical World CHP 21 H1 H5	6 revision												
<b>TERM 3</b>	1 2 3 revision	4 5 TRIAL Exam WT-50%	7 Assess Task 2 12/6 WT-10%												
<table style="width: 100%; border: none;"> <tr> <td style="border: none;"><u>ASSESSMENT TASK 1</u></td> <td style="border: none;">: Friday 20th February Periods 5, 6</td> <td style="border: none;">- Topics 1 and 2</td> </tr> <tr> <td style="border: none;"><u>HALF YEARLY EXAM</u></td> <td style="border: none;">: TBA</td> <td style="border: none;">- Topics 1-3</td> </tr> <tr> <td style="border: none;"><u>ASSESSMENT TASK 2</u></td> <td style="border: none;">: Friday 12th June Periods 5 and 6</td> <td style="border: none;">- Topics 4 and 5</td> </tr> <tr> <td style="border: none;"><u>TRIAL EXAM</u></td> <td style="border: none;">: TBA</td> <td style="border: none;">- Topics 1-5 and Yr 11 Preliminary</td> </tr> </table>				<u>ASSESSMENT TASK 1</u>	: Friday 20th February Periods 5, 6	- Topics 1 and 2	<u>HALF YEARLY EXAM</u>	: TBA	- Topics 1-3	<u>ASSESSMENT TASK 2</u>	: Friday 12th June Periods 5 and 6	- Topics 4 and 5	<u>TRIAL EXAM</u>	: TBA	- Topics 1-5 and Yr 11 Preliminary
<u>ASSESSMENT TASK 1</u>	: Friday 20th February Periods 5, 6	- Topics 1 and 2													
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<u>ASSESSMENT TASK 2</u>	: Friday 12th June Periods 5 and 6	- Topics 4 and 5													
<u>TRIAL EXAM</u>	: TBA	- Topics 1-5 and Yr 11 Preliminary													

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2009

**TERM 4**  
2008

**Year 12 Stage 6 - MATHS EXT 1**  
3 periods/week

1    2    3    4    5    6 <b>YR 11EXT 1 - 7. The Parabola</b> <b>CHP 22</b> <small>PE1 PE3 PE4 HE7</small>	7    8    9    10 <b>YR 12EXT 1 - 1. Integration II</b> <b>CHP 25</b> <small>HE6</small>
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**TERM 1**

1    2    3 <b>1. Integration II</b> <b>CHP 25</b> <small>HE6</small>	4 <small>Assess Task 1 MATHS 20/2</small>	5 <small>Assess Task 1 EXT I 26/2 WT-10%</small>	6    7    8 <b>2. Trig Functions II</b> <b>CHP 24</b> <small>PE5 HE1 HE6</small>	9 <small>revision</small>	10    11 <b>H/Y Exam</b> <b>WT-30%</b>
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**TERM 2**

1    2    3    4    5 <b>3. Inverse Functions and Inverse Trig Functions</b> <b>CHP 27</b> <small>PE5 HE4</small>	6 <small>revision</small>	7 <small>Assess Task 2 MATHS 12/6</small>	8 <small>Assess Task 2 EXT I 3/7 WT-10%</small>	9    10 <b>Inverse Functions and Inverse Trig Functions cont.</b> <b>CHP 27</b>
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**TERM 3**

1    2 <b>4. Further App of Calculus</b> <b>CHP 26</b> <small>PE1 HE5</small>	3 <small>revision</small>	4    5 <b>TRIAL Exam</b> <b>WT-50%</b>	6    7    8    9 <b>4. Further Applications of Calculus CONT.</b> <b>CHP 26</b> <small>PE1 HE5</small>	10 <small>revision</small>
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**ASSESSMENT TASK 1** : Thursday 26th February - Topics 7(Yr 11) - 1  
**HALF YEARLY EXAM** : TBA - Topics 1 and 2  
**ASSESSMENT TASK 2** : Thursday 3rd July - Topic 3  
**TRIAL EXAM** : TBA - Topics 1 - 4 and Yr 11 EXT 1 preliminary



2009

**TERM 4**  
2008

**Year 12 Stage 6 - MATHS EXT 11**  
3 periods/week  
**OVERVIEW**

7    8 <b>1. Graphs</b> <small>E6</small>	9    10 <b>2. Complex Numbers</b> <small>E3</small>				
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**TERM 1**

1    2    3 <b>3. Polynomials</b> <small>E4</small>	4 <small>Assess Task 1 EXT II 22/2 WT-10%</small>	5 <small>Assess Task 1 EXT I 29/2 WT-10%</small>	6    7    8 <b>4. Integration</b> <small>E8</small>	9 <small>revision</small>	10    11 <b>H/Y Exam</b> <b>WT-30%</b>
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**TERM 2**

1    2    3 <b>5. Volumes</b> <small>E7</small>	6 <small>revision</small>	7 <small>Assess Task 1 EXT II 13/6 WT-10%</small>	8 <small>Assess Task 1 EXT I 20/6 WT-10%</small>	9    10    11 <b>6. Conics</b> <small>E3 E4</small>
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**TERM 3**

1    2    3 <b>7. Harder 3 Unit Probability Induction</b> <small>E1 E2 E9</small>	4    5 <b>TRIAL Exam</b> <b>WT-50%</b>	6    7    8    9 <b>8. Mechanics</b> <small>E5</small>	10 <small>revision</small>
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2009

**TERM 4**  
2008

**TERM 1**

**TERM 2**

**TERM 3**

Year 11 Accelerated Stage 6 - Overview											MATHEMATICS EXT 1		
1 HigherSchool Cert. School Certificate Revision/Trial/Exam			2 3			4 1. Binomial Theorem and Poly <small>PE3 PE6 HE1 HE2</small>		6 <b>CROSSROADS</b>	7 2. The Parabola <small>PE1 PE3 PE4 HE7</small>			8 9 10	
1 3. Integration II <small>HE6</small>			2 4 Assess Task1 MATHS 20/2 WT: 10%		3 5 Assess Task1 EXT I 26/2 WT: 10%		6 4. Trig Functions II and Trig Equations <small>PE5 HE1 HE6</small>			7 8 9 10 11 H/Y Exam  WT: 30%			
1 5. Inverse Functions & Inverse Trig Functions <small>PE5 HE4</small>			2 4 6. Permutations & Combinations <small>PE3 HE3</small>			3 7 Assess Task2 MATHS 12/6 WT: 10%	4 8 Assess Task2 EXT I 3/7 WT: 10%	5 9 7. Circle Geometry  <small>PE2 HE2</small>					
1 8. Further Applications of Calculus II <small>PE1 HE5</small>		3 revision	4 5 TRIAL Exam  WT: 50%		6 7 8 8. Further Applications of Calculus II CONT. <small>PE1 HE5</small>			9 10 revision					
<u>MATHS ASSESSMENT TASK 1</u>											: Geometrical Applications of Differentiation and Integration and Integration		
<u>EXT I ASSESSMENT TASK 1</u>											: Topics 2 and 3		
<u>MATHS ASSESSMENT TASK 2</u>											: Logarithmic and Exponential functions and Applicatuins of calculus to the Physical World		
<u>EXT I ASSESSMENT TASK 2</u>											: Topic 5		

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