

<p>YEAR 9 MATHEMATICS 2010 Christchurch Boys' High School</p>
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TOPIC ORDER	No. WEEKS	ASSESSMENT
1 ESTIMATION AND CALCULATOR SKILLS	1	PAT
2 NUMBER SKILLS (Numeracy)	6	50 min Com Test
3 ALGEBRA 1 (Combining Variables & Exponents) (continued in Term 2)	3	National Bank
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4 MEASUREMENT	3	
5 PERCENTAGES - and other number applications	2	
6 ALGEBRA 2 (Brackets and Solving Equations) (continued in Term 3)	4	50 min com Test
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7 GEOMETRY (incl. Symmetry of Polygons and 3D shapes)	3	Aust Maths
8 SPREADSHEETS- (May be done earlier or later in the year)	1	
9 PROBLEM SOLVING (Could be done during the year)	1	Cantamaths UNSW test
10 GRAPHS	3	50 min com Test
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11 STATISTICS – carry out investigation(project)	3 – 4	
12 PROBABILITY	2	
* REVISION PROGRAMME - incl. study skills	1	2 Hour Exam

BOOK PRESENTATION

- work must be neat and complete
- your exercise book must be a source of pride

3/6/05

Example

Solving equations

... etc.

Notes and examples must be neat

- *in red or black biro*
- *copy carefully*

(alternatively your teacher may require a notebook)

Homework

p356 complete patterns

Homework must be

- *noted carefully*
- *completed neatly*
- *marked and where possible corrected*

2/3/03 p 34 **Ex.3/1-5**

Exercises must be neat and marked

DATE ALL WORK

- *pencil/biro*
- *working steps shown*
- not answers only!
- *diagrams*
- *marking in red pen*

Equipment needed for each period

- *pencil(s)*
- *sharpener*
- *red, blue/black biro*
- *ruler - plastic, cm. scale*
- *scientific calculator*
- *compass/pencil*
- *protractor*
- *scissors often useful*

Diagrams must be neat

- *ruler*
- *compass*
- *rubber*
- *labels*

Investigations may require pages without margins.

Daily Reviews are used at the beginning of lessons by some teachers. These will normally be done in the back of your exercise book; wherever - neatness, working and clear marking are essential.

Homework - you can expect 20 - 30 minutes of homework to be set at the end of each mathematics period. This-must be noted in both Exercise Book and Homework Diary. Where you have difficulty with homework, efforts at most questions must be evident.

**You will get far better marks and marks that
reflect your ability ... only if you make a genuine
attempt at all of your homework**

**HELP!!
I'M STUCK!!
I CAN'T DO MY HOMEWORK!!**

1. Have you read your teacher notes carefully?
2. Have you read the textbook notes carefully? Have you used the index? Have you worked carefully through the relevant textbook and exercise book examples?
3. Have you discussed the problems with your parents? Your mathematics is what they did at school and with just a little reading it is very likely they will be able to work with you.
4. Have you looked at the answer (at the back of the textbook)? Does it give you any clues that might be worth considering?
5. Have you tried some other problems in the exercise? Often you will get one of these out and in doing so see the method to the solution of the earlier problems.

Still can't work it out! Don't panic!

6. Neatly write out as much of the problem as you can and show this to your class teacher during the next mathematics period - this will let your teacher see that you are making an effort and will save time by clearly identifying the area of difficulty.
7. **A parent signature** in your book, or a note, when you are unable to complete homework would be a very good idea.
8. Ask at the Maths Office in the Caddick block if a teacher can help.

Ms Sharman
(Responsible for Year 9 Mathematics)

ASSESSMENT (Tests, Projects, Reporting)

- **CLASS ASSESSMENT** Throughout the year
- **SKILLS TESTS** Regular testing of Numeracy and Algebra skills
(1st Monday of each Month)
- **COMMON TEST 1** Term 1 week 8
1 hour test common to all classes
- **COMMON TEST 2** Term 2 week 8
1 hour test common to all classes
- **EXAMINATION** November Week 7
2 hour examination common to all, followed by **REPORT**

COMPETITIONS

- **NATIONAL BANK JUNIOR MATHEMATICS COMPETITION**

Seven interesting and challenging questions
Years 9, 10 and 11 more able students **28th April**

- **UNSW (ICAS) COMPUTING TEST** **25th May**

- **AUSTRALIAN MATHS COMPETITION** **5th August**
Most Year 9 students are to enter

- **UNSW (ICAS) MATHS TEST** **17th August**

- **CANTAMATH** **Mid August**

Teams competition. Class projects.
Individuals - posters, models, computing, written
3rd, 4th students of all ability levels

- **EXTENSION MATHEMATICS PROGRAMMES**

Fun evenings hosted by the University **First Friday each month.**

(Correspondence mathematics course - able students - sees HOD Maths)