



ST STEPHEN'S SCHOOL **YEAR 10 VOCATIONAL MATHEMATICS COURSE PLANNER**

TERM 1, 2008

Teachers: Mr Adeline, Mr Weaver

Textbooks: Maths for WA1 – MWA1, Trade and Business Maths – TBM, Mathszone for WA - MZ

WEEK	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	28 Jan Australia Day	29 Jan, Academic Staff return	30 Jan,	31 Jan,	1 Feb, B Secondary students start. Intro to course Admin tasks Number revision MZ1.1
1	4 Feb, A	5 Feb, A Number revision MWA1 1A, 1B, 1C MZ1.2	6 Feb, A VET MWA1 1A, 1B, 1C MZ1.2/1.3	7 Feb, A	8 Feb, A Multiplication, Division MWA1 1D, 1E, 1F MZ1.2/1.3/1.4
2	11 Feb, B	12 Feb, B Order of Operations TMB 1:7 Equiv Fractions MWA1 1I	13 Feb B VET Equiv Fractions TBM 3:2, 3:3, 3:4	14 Feb, B	15 Feb, B Revision MENTAL TEST 1 PROJECT (1)
3	18 Feb, A Secondary House Swimming Carnival	29 Feb, A Decimal to Fraction TBM 3:11, 3:12, 3:13	20 Feb, A VET MWA1 4J Mathletics Half/ Half	21 Feb, A	22 Feb, A Operations with Decimals MWA1 4D, 4E, 4F, 4G
4	25 Feb, B	26 Feb, B % - fractions- dec MWA1 4K, 4M Mathletics Half/ Half	27 Feb, B VET TBM 5:1, 5:2, 5:3	28 Feb, B	29 Feb, B Revision MENTAL TEST 2 PROJECT (2)
5	3 Mar, A Labour Day Holiday	4 Mar, A Travel Maths TBM 10:1, 10:2, 10:3	5 Mar, A VET Dry Trades Start Journal Notes Mathletics Half/ Half	6 Mar, A	7 Mar, A Travel Maths TBM 10:5, 10:6, 10:7, 10:8
6	10 Mar, B Wet Trades.	11 Mar, B Wet Trades. Skills Test 1 Mathletics/Project	12 Mar, B VET Wet Trades Time MWA1 8B, 8D, 8E, 8F	13 Mar, B	14 Mar, B Wet Trades. Revision MENTAL TEST 3 PROJECT (3)
7	17 Mar A	18 Mar A Time TBM 1:5, 10:9	19 Mar, A VET Mathletics/Project	20 Mar, A	21 Mar, A Good Friday
8	24 Mar, B Easter Monday	25 Mar, B Directed Number 2J, 2K, 2M, 2N	26 Mar, B VET Networks TBM 10:4 Mathletics/Project	27 Mar, B	28 Mar, B Catch up lesson
9	31 Mar, A	1 Apr, A MENTAL TEST 4 PROJECT (4)	2 Apr, A VET Revision Journal notes	3 Apr, A	4 Apr, SKILLS TEST 2
10	7 Apr, B	Revision Review Skills Test 2	Revision Review Skills Test 2		End Term 1 PROJECT 1 DUE

YEAR 10 MATHEMATICS **MENTAL SKILLS**

Mental Skills

While the appropriate use of a calculator is a key objective, much of the “street mathematics” we do is performed mentally. These skills should be practiced regularly.

Furthermore, mental is useful for revising concepts previously taught or alerting you to skills to be used in lessons.

The following is a list of some of the skills that should be practiced in mental (after the relevant lessons have been taught in most cases).

- money operations
- units of time
- mixed operations with whole numbers
- multiplying & dividing by multiples of 10
- decimals multiplied or divided by a whole number
- continuing number sequences
- fraction of a quantity
- estimation of a computation by rounding
- factors, multiples, squares, square roots, cubes, cube roots, divisibility tests for whole numbers
- fraction/decimal/percentage equivalents
- percentage of a quantity
- solving simple equations
- comparisons of negative integers
- angle relationships
- using ratios
- calculating with a rate
- simple perimeters, areas & volumes
- recall of terminology
- spelling of terminology
- substitution into algebraic expressions
- simplifying simple algebraic expressions
- scientific notation
- recall of area and volume formulas
- rounding and significant figures
- gradient, midpoint
- Pythagoras
- Recall of trigonometric ratios



Stephen's School – Carramar Campus

Mathematics Learning Area

Year 10 – Student Course Notes 2008

1. All students must have the following equipment as well as their textbook: pens; pencils; eraser; ruler; Math-Aid; Proliner; graph paper; and a suitable graphic calculator.
2. Students must keep and maintain a Mathematics Journal.
3. Investigations and problem solving form part of the assessment schedule.
4. Students must keep a portfolio containing all assessments. Parents are expected to sight and sign these.
5. At the end of each topic it is a good idea to file all work at home in a way that helps examination revision later in the semester.
6. Mathematics classes are grouped based on ability levels. It is normal for a small number of students to be moved into a more challenging or less demanding mathematics course depending on how well they are coping with their current mathematics course.
7. During significant assessments teachers may permit students to prepare 1 A4 page of notes to be used during the assessment. On occasions the student's mathematics journal may also be permitted.
8. In the interest of fairness and as stated in the school Assessment Policy, students who are absent for any significant mathematics assessment are expected to produce a medical certificate. Failure to do so may result in a zero score for the missed assessment.
9. Only approved calculators as stated on the booklist for this course are permitted in assessments. Some assessments or parts of assessment will be resource free.
ie. No calculators or notes permitted.
10. Homework is an integral part of our mathematics curriculum. Year 10 students should be completing an average of 30 - 40 minutes mathematics homework (fun work at home) at least 5 nights a week. Once class work and set homework has been completed students are expected to work on assignments, mathematics journals, extension work, revision, read ahead in text book etc.

Assessment Breakdown Year 10 Semester 1

Tests (Common to level)	40%
Exam (Common to level)	25%
Investigations, problem solving and/or assignments	25%
Journal	10%

Assessment Breakdown Year 10 Semester 2

Tests (Common to level)	40%
Exam (Common to level)	25%
Investigations, problem solving and/or assignments	25%
Journal	10%

Final mark for year will be the average of both semester's marks.

Grades allocated (from high to low) will be A, B, C, D and E.

Parent Signature:

Date:

