



GENERAL MATHS, MAG 111

2009

Aims/General Learning Outcomes

- To develop the skills, concepts, understandings and attitudes which will enable to cope confidently with the mathematics of everyday life and the world of work
- To develop a variety of approaches to solving problems
- To develop the ability to think and reason logically

Course Content

- The course covers Number, Algebra, Measurement, Geometry and Statistics. Topics are listed in order in the Assessment Programme over the page.
- At the start of each topic you will be given a handout which will list the learning outcomes (objectives) for the topic. These reflect the Achievement Objectives in Levels 5 & 6 of the National Curriculum. They will also contain a list of exercises that you will need to complete to prepare yourself for the assessments.

Appeals

Any queries about an assessment decision should be made to your class teacher when the assessment is handed back. Any formal appeals should be made, **within one week** of the assessed work being returned to the Head of Department, Mrs Bull, or the Principal's Nominee, who will investigate it further.

Work done in pencil or which has 'white-out' corrections cannot be reconsidered for appeals. Appeals need to be made within one school week of receiving a result.

Further assessment opportunities

For the unit standard assessments there will be one reassessment opportunity for each standard.

Where a reassessment opportunity is offered it will be available to all eligible students regardless of the level of achievement in the first assessment.

Equipment

You are required to have a scientific calculator which you **must** bring to every lesson.

MAG 111 Learning and Assessment Programme 2009

<i>Term 1</i>	Weeks			Credits	Result
Number - Solve problems using calculations with numbers expressed in different forms.	2 - 4	Unit Standard assessments	8490 (v3), 5224 (v4),	2 2	
Measurement - Take measurements and use calculations to solve measurement problems	5 - 8	Unit Standard Assessment	5228 (v4)	3	
Geometry – Use geometry to describe situations and solve problems	9 - 10				
<i>Term 2</i>					
Geometry (continued)	1	Unit Standard Assessment	5229 (v3)	2	
Number – Read and interpret information presented in graphs and tables. Construct graphs and tables.	2 - 4	Unit Standard Assessment	8491(v3), 5226 (v3)	2 2	
Statistics – Carry out a statistical investigation and interpret data.	5 - 7	Unit Standard Assessment	5230 (v4)	3	
Algebra - Use formulae and equations to solve problems	8 - 10	Unit Standard Assessment	5223 (v3), 20659 (v1)	2 2	
<i>Term 3</i>					
Probability – Determine probabilities in practical situations	1 - 2	Unit Standard Assessment	5232 (v3)	2	
Number – Solve problems involving money	3 - 5				
Avonside Exams	Week 6				
Number (continued)	Week 7	Unit Standard Assessment	5227 (v4)	3	
Number – Use fractions, ratio and proportion to solve problems	Weeks 8 - 10	Unit Standard Assessment	5225 (v4)	2	
<i>Term 4</i>					
Trigonometry – Solve right angled triangle problems	Weeks 1 - 3	External Achievement Standard practice task	90152 (v2)	2	
Revision of number work Solve straightforward number problems in context	Weeks 4 - 5	External Achievement Standard practice task	90151 (v2)	3	

