



Preliminary General Mathematics

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 |
|---------------|--|---------------------------------------|-----------------|-----------------------------|-------------------------------|--|------------------------------------|---|---------------------------|---------------------------------|
| Term 1 | Earning money | | | Units of measurement | | Applications of area and volume | | Basic algebraic skills | | Statistics and society |
| Term 2 | Data collection and sampling | Modelling linear relationships | | Investing money | | <i>Mid-course exams</i> | Displaying single data sets | | Summary statistics | |
| Term 3 | Similarity of two-dimensional figures | | Taxation | | Right-angled triangles | | | The language of chance. Relative frequency and probability | | <i>Preliminary course exams</i> |

Assessment

The rules for Preliminary General Mathematics are as set out in the Bowral High School Preliminary Course Assessment Guide. Students should familiarise themselves with these rules. The assessment program for General Mathematics is set out in the table below:-

General Mathematics Assessment Task Schedule

| COURSE: General Mathematics | | | | | | |
|-----------------------------|-------------------------------------|----------------------|--------------------------------|---------------------------------|--------------------------------|----------------------------|
| Outcomes | Components (syllabus) | Weighting (syllabus) | Task 1 | Task 2 | Task 3 | Task 4 |
| | | | Term 1 Week 10 | Term 2 Week 5 | Term 3 Week 3 | Term 3 Week 9 & 10 |
| | | | Work Samples and Revision Test | Mid-Course Exam and Work Sample | Work Samples and Revision Test | Final Exam and Work Sample |
| P1 – P11 | Knowledge, understanding and skills | 40 | 10 | 10 | 10 | 10 |
| P1 – P11 | Applications | 60 | 10 | 15 | 10 | 25 |
| | Marks | 100% | 20% | 25% | 20% | 35% |

Reporting

A student progress report will be provided after the mid-course exam and at the end of the course. The report for each student will show:-

1. A Grade indicating the level of achievement in each area studied during the assessment period. These Grades will be based on the individual student's achievement in the course. The areas of assessment in Preliminary General Mathematics are:-

Preliminary General Mathematics – After mid-course exam

- Earning and investing money
- Units of measurement, area and volume
- Basic algebra skills
- Statistical sampling and data collection
- Modelling linear relationships

Preliminary General Mathematics – Final Report

- Errors in measurement; distance, area and volume calculations involving the use of scale diagrams and right angle triangles.
- Formation and manipulation of algebraic expressions and equations including their application to real life situations.
- Recognition of data types and the methods used for data collection.
- The preparation of data displays and the calculation of summary statistics for the distribution and location of data sets.

- Calculation of income (from various sources including investments) and taxation methods.
- Determination of sample spaces for an event and calculations using theoretical and experimental probabilities.

The grades awarded will be: Outstanding, High, Sound, Basic, Limited, N (fails to meet course requirements in the Preliminary Certificate), **n/a** (If the student was not at BHS for this work)

2. A personal profile for responsible learning, using the categories; **Always, Usually, Sometimes, Rarely.**
 - Brings required equipment to class / is prepared
 - Listens attentively and follows instructions
 - Participates positively in class and discussions
 - Interacts positively with teachers and students
 - Works independently and is self motivated
 - Meets homework/assignment deadlines
3. An indication of the number of lessons missed by the student.
4. Confirmation that the student is meeting course requirements for the Preliminary Certificate in General Mathematics.
5. Teacher comment.

Special Notes

- **Homework** will be given on a regular basis and its completion and follow-up is considered to play an important part in building student confidence and skills in Mathematics.
- **Calculators** and their effective use are an essential part of senior Mathematics Courses and all students are required to have a scientific calculator with them in every mathematics lesson and for all assessment tasks. We strongly recommend you purchase a calculator through the Finance Office at Bowral High where we sell an approved calculator **at cost price**. This calculator is suitable for use through to Year 12 and beyond. Calculators purchased elsewhere may not have the required features.
- **Calculators may be used in all assessment tasks and in the HSC Examination in General Mathematics.**
- **Geometry Equipment:** All students are expected to have a set of geometrical instruments consisting of a pair of compasses, a protractor, a setsquare, a ruler and a pencil. At the moment a geometry set is offered free as a bonus item with the purchase of a calculator through the Finance Office (see above).
- If, at any time, you would like to discuss your child's progress in Mathematics you may contact their Mathematics Teacher or Mr Reynolds, on 48612255.

M. Reynolds - Head Teacher Mathematics