A Year 10 course based on the New Zealand Mathematics and Statistics Curriculum

On Track 2
Mathematics Workbook

W. Geldof

NUMBER and ALGEBRA

Chapter 1 - Number Strategies and Knowledge

Chapter 2 - Fractions, Percentages and Ratio

Chapter 3 - Expressions and Equations

Chapter 4 - Patterns and Relationships

GEOMETRY and MEASUREMENT

Chapter 5 - Measurement

Chapter 6 - Geometric Designs

Chapter 7 - Shape, Position and Orientation

Chapter 8 - Angles and Shapes

Chapter 9 - Right-Angled Triangles

STATISTICS

Chapter 10 - Statistical Investigations

Chapter 10 - continued

Chapter 11 - Probability

INTRODUCTION

Information for Teachers and Parents

The **On Track** maths workbooks are written for **middle-band** students who benefit from some revision of previous work before they advance to the next level.

The **On Track 2** workbook **revises Level 4 and covers the basics of Level 5** of the New Zealand Mathematics and Statistics Curriculum. Full details of curriculum/chapter links can be found on page A13 at the back of this book.

Students will work at the **Multiplicative and Proportional Stages** of the Secondary Numeracy Project (stages 7, 8).

Tips for Students

◆ You need a scientific calculator. Keep the instruction booklet and learn how to use your calculator efficiently.

◆ Never accept the answer on your calculator at face value, check it. Often your answer will need a unit e.g. $, km, min.

◆ Work out difficult questions on scrap paper first and write any explanations in brief sentences.

◆ At the end of each chapter is a revision test. Save this test until you are ready to do it without help. The result will give you an indication of how well you have understood the maths in that chapter. Revise any weak areas.