

## Table of Contents

	Page
Table of Contents	i
Foreword	ii
Acknowledgements	iii
<b>I. Learning Targets, Learning Objectives and Notes on Teaching</b>	
A. Learning Targets	1
B. Learning Objectives and Notes on Teaching (KS3)	2
C. Learning Objectives and Notes on Teaching (KS4)	11
<b>II. Exemplars of Learning Activities</b>	
Exemplar 1 : Addition and Subtraction of Directed Numbers	1.1
Exemplar 2 : Awareness of Estimation	2.1
Exemplar 3 : Overestimate and Underestimate	3.1
Exemplar 4 : Compound Interest	4.1
Exemplar 5 : A Study of Paper Sizes	5.1
Exemplar 6 : Exploring Zero Index and Negative Integral Indices	6.1
Exemplar 7 : Formulating Algebraic Formula	7.1
Exemplar 8 : The Optimum Tariff Plan	8.1
Exemplar 9 : Number Patterns	9.1
Exemplar 10 : Number Patterns — Fibonacci Sequence (1)	10.1
Exemplar 11 : Number Patterns — Fibonacci Sequence (2)	11.1
Exemplar 12 : Verifying Points Lying on the Line Do Satisfy the Linear Equation	12.1
Exemplar 13 : Solving Simultaneous Linear Equations Graphically	13.1
Exemplar 14 : Number of Solutions of Simultaneous Linear Equations	14.1
Exemplar 15 : Formulating an Algebraic Equation from a Word Problem	15.1