

## Table of Contents

CONTENTS.....	i-ii
FOREWORD.....	iii
ACKNOWLEDGEMENTS.....	v
I. Introduction.....	1
II. Strategies to Cater for Learner Differences.....	1- 10
A. Central Curriculum Aspect	
B. School Aspect	
C. Classroom Aspect	
• Diagnosis of Students’ Needs and Differences	
• Variation in Level of Difficulties and Contents Covered	
• Variation in Questioning Techniques	
• Variation in Clues provided in Tasks	
• Variation in Approaches in Introducing Concepts	
• Variation in Using Software Packages	
• Variation in Peer Learning	
• Importance in Arousing Learning Motivation	
III. Appendixes.....	11-16
Appendix 1 An Overview of Learning Modules and Units	
Appendix 2 Exemplars of Arrangement of Learning Units at S1	
Appendix 3 Exemplars of Activities and Arrangement of Learning Units in the Measures, Shape and Space Dimension at Each Year Level of KS3	

IV. Exemplars

- Exemplar 1 Investigation of Lines in Triangles
- Exemplar 2 Exploration on Fibonacci Sequence
- Exemplar 3 Constructing Data Set from a given Mean, Mode and Median
- Exemplar 4 Exploration of the Meaning of Experimental and Theoretical Probabilities
- Exemplar 5 Exploration of the 4 Basic Operations on Directed Numbers
- Exemplar 6 Exploration of the Formula for the Area of a Circle
- Exemplar 7 Using Different Properties of Squares to Construct a Square with Information Technology
- Exemplar 8 Using Information Technology to Construct Tessellated Figures