

# **Learning contents of DSE Compulsory Part**

## **1. Number and Algebra Strand**

- Unit 1 Quadratic equations in one unknown
- Unit 2 Functions and graphs
- Unit 3 Exponential and logarithmic functions
- Unit 4 More about polynomials
- Unit 5 More about equations
- Unit 6 Variations
- Unit 7 Arithmetic and geometric sequences and their summations
- Unit 8 Inequalities and linear programming
- Unit 9 More about graphs of functions

## **2. Measures, Shape and Space Strand**

- Unit 10 Equations of straight lines
- Unit 11 Basic properties of circles
- Unit 12 Loci
- Unit 13 Equations of circles

## **3. Data Handling Strand**

- Unit 14 More about trigonometry
- Unit 15 Permutations and combinations
- Unit 16 More about probability
- Unit 17 Measures of dispersion

## **4. Further Learning Unit**

- Unit 18 Uses and abuses of statistics
- Unit 19 Further applications
- Unit 20 Inquiry and investigation