

## Foreword

This learning and teaching package serves as a supplement to the *Syllabuses for Secondary Schools: Mathematics (Secondary 1-5) (1999)* (to be referred as the Syllabus hereafter), which has been implemented at S1 in 2001. It aims to provide teachers with resource materials for teaching the Number and Algebra Dimension in Key Stage 3.

This learning and teaching package consists of a loose-leaf booklet and one piece of CD-ROM. Section I of the booklet contains Learning Targets, Learning Objectives and Notes on Teaching of the Number and Algebra Dimension. Section II contains exemplars for the learning and teaching of the dimension in KS3. Descriptions of the Activity and Notes for Teachers are included in the exemplars for teachers' reference. It is recommended that teachers should read them first before the lesson to have an idea of how to conduct the activity. The Description of the Activity in the exemplar is only a suggested approach for conducting the activity. Teachers may adjust the contents of the activity to suit their individual needs. In writing the exemplars, the learning and teaching activities are designed in line with the underlying principles of the Syllabus, for example, using information technology to explore, fostering generic skills through activities of communication and collaboration and catering for learner differences with suggested tasks for students of different abilities. The CD-ROM contains the materials of the booklet in document format and the application files of the computer software concerned. Teachers can make copies of the exemplars or worksheets directly from the booklet or the CD-ROM. They may modify the materials if necessary.

Comments and suggestions on this learning and teaching package are most welcome. They should be sent to the Chief Curriculum Development Officer, Mathematics Section, Curriculum Development Institute, Education Department, 12/F, Wu Chung House, 213 Queen's Road East, Wanchai, Hong Kong (fax no.: 2119 9075; e-mail address: math@ed.gov.hk).

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