Content Area 1

NUMBERS, OPERATIONS AND RELATIONSHIPS

Development of number sense that includes:

- the meaning of different kinds of numbers
- the relationship between different kinds of numbers
- the relative size of different numbers
- representation of numbers in various ways
- the effect of operating with numbers
- the ability to estimate and check solutions.

Content Area 2

PATTERNS, FUNCTIONS AND ALGEBRA

Algebra is the language for investigating and communicating most of Mathematics and can be extended to the study of functions and other relationships between variables. A central part of this Content Area is for the learner to achieve efficient manipulative skills in the use of algebra. It also focuses on the:

- description of patterns and relationships through the use of symbolic expressions, graphs and tables; and
- identification and analysis of regularities and change in patterns, and relationships that enable learners to make predictions and solve problems.

Content Area 3

SPACE AND SHAPE (GEOMETRY)

The study of Space and Shape improves understanding and appreciation of the pattern, precision, achievement and beauty in natural and cultural forms. It focuses on the properties, relationships, orientations, positions and transformations of two-dimensional shapes and three-dimensional objects.

Content Area 4

MEASUREMENT

Measurement focuses on the selection and use of appropriate units, instruments and formulae to quantify characteristics of events, shapes, objects and the environment. It relates directly to the learner's scientific, technological and economic worlds, enabling the learner to

- make sensible estimates; and
- be alert to the reasonableness of measurements and results.

Content Area 5

DATA HANDLING

Data Handling involves asking questions and finding answers in order to describe events and the social, technological and economic environment.

Through the study of data handling, the learner develops the skills to collect, organise, represent, interpret, analyse and report data.

The study of probability enables the learner to develop skills and techniques for making informed predictions, and describing randomness and uncertainty.

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