



MINISTRY OF EDUCATION

SUMMARY OF PRIMARY MATHEMATICS CURRICULUM

RATIONALE

Mathematics is an activity that is intrinsic to the development of the mind, civilization and the daily lives of individuals. It is a powerful form of communication that enables one to represent, interpret and explain phenomena and make sound predictions. The study of mathematics enables one to become rational, creative and critical thinkers through the development of logical thinking, problem solving, strategic thinking and investigative skills

PROCESS GOALS

These encompass the overarching learning outcomes to be achieved through the content strands; the content is merely the vehicle through which the process goals can be realized. It is important that such a perspective be maintained while teaching the specific content. A focus on the mathematical content and a focus on the processes are complementary as both are essential for the pupils' mathematical growth. The processes permeate the entire mathematics programme and comprise Problem-Solving, Reasoning, Connections and Communication

CONTENT STRANDS

The Syllabus covers the four (4) content strands: **Geometry, Number, Measurement and Money** and **Statistics**. The content strands are organised **spirally** across all class levels.

TEACHING STRATEGIES AND ASSESSMENT

Teaching strategies are designed to represent problem-solving situations in which

pupils are encouraged to collaborate with one another through discussion, debate, elaboration and clarification in order to negotiate meaning and understanding of mathematical concepts and principles. Students are expected to construct, derive, gather and present information, reflect, give reasons, justify, suggest, design, provide examples, compare, report and pose questions while learning mathematics.

Assessment comprises formative techniques as well as summative evaluation. Assessment must guide learning through the use of *paper and pencil* tests as well as open ended and alternative approaches such as those involving the use of portfolios, journals and performance tasks.