

## Content Strands and Learning Standards

Following is a chart that outlines the content strands and learning standards for the Mathematics and Numeracy curriculum framework. After this chart, you will find a more detailed explanation of each content strand and the learning standards that go along with it.

<b>Strands</b>	<b>Standards</b> <i>Learners will demonstrate the ability to...</i>
<b>Number Sense</b>	<p>N-1 Represent and use numbers in a variety of equivalent forms in contextual situations</p> <p>N-2 Understand meanings of operations and how they relate to one another</p> <p>N-3 Compute fluently and make reasonable estimates</p>
<b>Patterns, Functions and Algebra</b>	<p>P-1 Explore, identify, analyze, and extend patterns in mathematical and adult contextual situations</p> <p>P-2 Articulate and represent number and data relationships using words, tables, graphs, rules, and equations</p> <p>P-3 Recognize and use algebraic symbols to model mathematical and contextual situations</p> <p>P-4 Analyze change in various contexts</p>
<b>Statistics and Probability</b>	<p>S-1 Collect, organize, and represent data</p> <p>S-2 Read and interpret data representations</p> <p>S-3 Describe data using numerical descriptions, statistics, and trend terminology</p> <p>S-4 Make and evaluate arguments and statements by applying knowledge of data analysis, bias factors, graph distortions, and context</p> <p>S-5 Know and apply basic probability concepts</p>
<b>Geometry and Measurement</b>	<p>G-1 Use and apply geometric properties and relationships to describe the physical world and identify and analyze the characteristics of geometric figures</p> <p>G-2 Use transformations and symmetry to analyze mathematical situations</p> <p>G-3 Specify locations and describe spatial relationships using coordinate geometry and other representational systems</p> <p>G-4 Understand measurable attributes of objects and the units, systems, and processes of measurement and apply appropriate techniques, tools, and formulas to determine measurements</p>