

<p align="center">Course Title: GRADE 5 MATHEMATICS-B</p>	<p align="center">Course Description</p>
<p>Course No. N/A Grade level: 5</p> <p>Text and Resources: A. <i>Grade Five, Harcourt Math</i> -California Edition; Harcourt Brace</p>	<p>Course Duration: *One Semester</p> <p>Credit Value: One Course</p>
<p align="center">Course Content: Key Content Standards and Course Objectives</p>	
<p>Students who successfully complete this course will demonstrate competency in regard to the following Grade Five mathematics standards:</p> <ol style="list-style-type: none"> 1. Number Sense: Students compute with very large and very small numbers, positive and negative numbers, decimals, and fractions and understand the relationship between decimals, fractions, and percents.. 2. Number Sense: Students perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals. 3. Algebra and Functions: Students use and interpret variables, mathematical symbols, and properties to write and simplify expressions and sentences. 4. Algebra and Functions: Students use variables in simple expressions, compute the value of the expressions for specific values of the variable, and plot and interpret the results. 5. Measurement and Geometry: Students understand and compute the volumes and areas of simple objects. 6. Measurement and Geometry: Students identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures. 7. Statistics, Data Analysis, and Probability: Students display, analyze, compare, and interpret different data sets including data sets of different sizes. 8. Mathematical Reasoning: Students make decisions about how to approach problems. 9. Mathematical Reasoning: Students use strategies, skills, and concepts in finding solutions. 10. Mathematical Reasoning: Students move beyond a particular problem by generalizing and applying it to other situations. 	<p>This course is a continuum of the grade five concepts taught in Part A. Upon successful completion of this course, students will be proficient with basic arithmetic operations applied to positive and negative numbers, fractions, and decimals. They will know and use common measuring units to determine length and area and know and use formulas to determine the volume of simple geometric figures. Students will know how to use a protractor and a compass to measure angles and solve problems. They will also be able to use grids, tables, graphs, and charts to record and analyze data. Students will collect, represent, and analyze data to answer questions.</p> <p align="right">*Open entry/open exit</p>
<p align="center">Methods of Study</p>	<p align="center">Evaluation of Performance Standards</p>
<ol style="list-style-type: none"> 1. Students will complete all activities assigned. 2. Students will participate in discussion with other class members and/or teacher. 	<ol style="list-style-type: none"> 1. Students will complete all assignments and assessments with a minimum of 70% accuracy. 2. The supervising teacher will be satisfied with the quality of the student's work.

GRADE FIVE MATHEMATICS B

Course Outline

I. Textbook Assignment Options:

Grade Five Harcourt Math; Chapters 16-30 (1 Course)

- Read and complete: even-numbered problems in “Practice and Problem Solving” and “Review/Test” sections and even-numbered problems in the *Practice workbook*.
- Complete the Extension Activity.

II. Extension Activity

A. Harcourt Math (select 1)

1. Complete one of the California Connection activities from the textbook.
2. Complete one of the Challenge activities.
3. Complete one of the Math Detective activities.

III. Evaluation

- Unit and/or final test.
- All textbook work must meet the 70% accuracy level for a “C” grade.