

<p align="center">Course Title: GRADE THREE MATHEMATICS-B</p>	<p align="center">Course Description</p>
<p>Course No. N/A Grade level: 3</p> <p>Text and Resources: A. <i>Grade Three Harcourt Math</i>; 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>	
<ol style="list-style-type: none"> 1. Number Sense: Students understand the place value of whole numbers. 2. Number Sense: Students calculate and solve problems involving addition, subtraction, multiplication, and division. 3. Number Sense: Students understand the relationship between whole numbers, simple fractions, and decimals. 4. Algebra and Functions: Students select appropriate symbols, operations, and properties to represent, describe, simplify, and solve simple number relationships. 5. Algebra and Functions: Students represent simple functional relationships. 6. Measurement and Geometry: Students choose and use appropriate units and measurement tools to quantify the properties of objects. 9. Measurement and Geometry: Students describe and compare the attributes of plane and solid geometric figures and use their understanding to show relationships and solve problems. 10. Statistics, Data Analysis, and Probability: Students conduct simple probability experiments by determining the number of possible outcomes and make simple predictions. 11. Mathematical Reasoning: Students make decisions about how to approach problems. 12. Mathematical Reasoning: Students use strategies, skills, and concepts in finding solutions. 13. Mathematical Reasoning: Students move beyond a particular problem by generalizing and applying it to other situations. 	<p>This course will prepare students to meet the Grade Three Mathematical Standards. Students will have a deepened understanding of place value and their understanding of and skill with addition, subtraction, multiplication, and division of whole numbers. They will estimate, measure, and describe objects in space. They will use patterns to help solve problems as well as represent number relationships and conduct simple probability experiments.</p> <p>*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 THREE MATHEMATICS B

Course Outline

I. Textbook Assignment Options:

Grade Three 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 one Extension Activity

II. Extension Activity

- A. Toss a coin 50 times and write down whether it comes up heads or tails each time. Write a sentence explaining the results, and draw a bar graph that shows the results.
- B. Identify, describe, and classify polygons (including pentagons, hexagons, and octagons). Draw and label them on a piece of paper. Identify attributes of triangles (e.g., two equal sides for the isosceles triangle, three equal sides for the equilateral triangle, right angle for the right triangle). Draw and label them on a piece of paper. Identify attributes of quadrilaterals (e.g., parallel sides for the parallelogram, right angles for the rectangle, equal sides and right angles for the square). Draw and label them on a piece of paper.
- C. Identify, describe, and classify common 3-dimensional geometric objects (e.g., cube, rectangular solid, sphere, prism, pyramid, cone, cylinder). Draw and label them on a piece of paper.
- D. Working with polygons, sort them by sides and identify them by type of polygon. Make a list of 4 items for each shape: pentagon, hexagon, octagon, cube, rectangular solid, sphere, prism, pyramid, cone, and cylinder.
- E. 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.
- F. Teacher generated activity, approved by site administrator.

III. Evaluation

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