

Course Title: MATHEMATICS IIC	Course Description
<p>Course No. 3203 Grade level: 7-12</p> <p>Text and Resource Options: A. <i>California Math Triumphs 6A: Measurement;</i> Macmillan/McGraw-Hill Glencoe B. <i>California Math Triumphs 6B: Measurement;</i> Macmillan/McGraw-Hill Glencoe</p>	<p>Course Value: *One Semester</p> <p>Credit Value: 1 – 5 Credits</p> <p><i>Measurement</i> To be successful in this math intervention course, students should possess the conceptual skills and knowledge that were taught in Mathematics IIB. In this course, students will learn how measurements are made, how to use length and area in real world applications, how to use exact measurements for area, surface area, and volume. Students will also learn how to identify and add angles. Students recognize and apply the basic symbols and language of mathematics. In addition, students perform basic computational skills in problem-solving activities using real-life situations. This course will provide many of the foundational skills that are required for students to pass the mathematical portion of the California High School Exit Examination.</p>
<p align="center">Course Content: Key Content Standards and Course Objectives</p>	
<p>1. Algebra and Functions: Students select appropriate symbols, operations, and properties to represent, describe, simplify, and solve simple number relationships (3-1.0), students analyze and use tables, graphs, and rules to solve problems involving rates and proportions (6-2.0).</p> <p>2. Measurement and Geometry: Students understand that measurement is accomplished by identifying a unit of measure, iterating (repeating) that unit, and comparing it to the item to be measured (2-1.0), students choose and use appropriate units and measurement tools to quantify the properties of objects (3-1.0), students understand perimeter and area (4-1.0), students use two-dimensional coordinate grids to represent points and graph lines and simple figures (4-2.0), students understand and compute the volumes and areas of simple objects (5-1.0), students identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures (5-2.0), students deepen their understanding of the measurement of plane and solid shapes and use this understanding to solve problems (6-1.0), Students identify and describe the properties of two-dimensional figures (6-2.0), students choose appropriate units of measure and use ratios to convert within and between measurement systems to solve problems (7-1.0), students know the Pythagorean theorem and deepen their understanding of plane and solid geometric shapes by constructing figures that meet given conditions and by identifying attributes of figures (7-3.0).</p>	<p>*Open entry/open exit</p>
<p align="center">Methods of Study</p>	<p align="center">Evaluation of Performance Standards</p>
<p>1. Students will complete all activities assigned. 2. Students will participate in discussion with other class members and/or teacher.</p>	<p>1. Students will complete all assignments with a minimum of 70% accuracy. 2. The supervising teacher will be satisfied with the quality of the student’s work. 3. The student must receive a minimum score of 70% on a teacher assigned final evaluation.</p>

MATHEMATICS IIC
Course Outline: 3203

I. Textbook Assignment Options:

A. California Math Triumphs, 6A: Measurement (2.5 Credits)

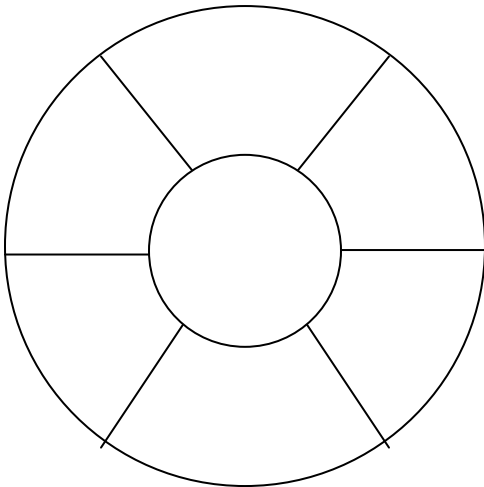
- Complete all problems and activities for Chapters 1-2.
- Keep a journal of all the vocabulary words listed at the beginning of each lesson.
- Complete extension activity.

B. California Math Triumphs, 6B: Measurement (2.5 Credits)

- Complete all problems and activities for Chapters 3-4.
- Keep a journal of all the vocabulary words listed at the beginning of each lesson.
- Complete extension activity.

II. Extension Activity

Select at least three Vocabulary Words from your journal each week, and draw a Circle Map including a minimum of six categories. You may use the definition from your textbook, which is listed in your journal. Study **all** vocabulary words.



Circle Map Categories
Dictionary Definition
Student Definition
Part of Speech
Meaningful Sentence
Illustration
What it is (examples)
What it isn't (examples)
Word Parts
Cognate
Synonyms
Antonyms
Related Words/Word Family
Sentence from book

III. Evaluation

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