

<p>and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages (6-1.0)</p> <p>2. Algebra and Functions: Students sort and classify objects (K-1.0), students represent simple functional relationships (3-2.0), Students model, represent, and interpret number relationships to create and solve problems involving addition and subtraction (2-1.0), students use and interpret variables, mathematical symbols, and properties to write and simplify expressions and sentences. (4-1.0), students use variables in simple expressions, compute the value of the expression for specific values of the variable, and plot and interpret the results (5-1.0), Students analyze and use tables, graphs, and rules to solve problems involving rates and proportions: (6-2.0), Students graph and interpret linear and some nonlinear functions (7-3.0).</p> <p>3. Measurement and Geometry: Students use two-dimensional coordinate grids to represent points and graph lines and simple figures (4-2.0).</p> <p>4. Statistics, Data Analysis, and Probability: Students organize, represent, and compare data by category on simple graphs and charts (1-1.0), students sort objects and create and describe patterns by numbers, shapes, sizes, rhythms, or colors (1-2.0), students collect numerical data and record, organize, display, and interpret the data on bar graphs and other representations (2-1.0), students demonstrate an understanding of patterns and how patterns grow and describe them in general ways (2-2.0), students conduct simple probability experiments by determining the number of possible outcomes and make simple predictions(3-1.0) students display, analyze, compare, and interpret different data sets, including data sets of different sizes (5-1.0)</p>	
Methods of Study	Evaluation of Performance Standards
<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 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.

GRADE SEVEN MATHEMATICS A

Course Outline

I. Textbook Assignment Options:

Core: *Prentice Hall CA Algebra Readiness, Part I (1 Course)*

MUST SHOW ALL WORK OR REDO – Do all problems listed unless noted to do even only

- Complete Chapters 1 -5
 - “Check your Readiness” (beginning of every chapter)
 - Standards Practice – Section A - Practice by Example (even only)
 - Section B – Apply your Skills (even only)
 - Multiple Choice Practice & Mixed Review
 - Taking Test Strategies & Multiple Choice Practice
 - Chapter Reviews – Vocabulary Review & Skills and Concepts
 - Chapter Test (even only)
 - Standards Mastery

Intervention:

A. *California Math Triumphs, 5A: Functions and Equations (1/2 course)*

- 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 #6.

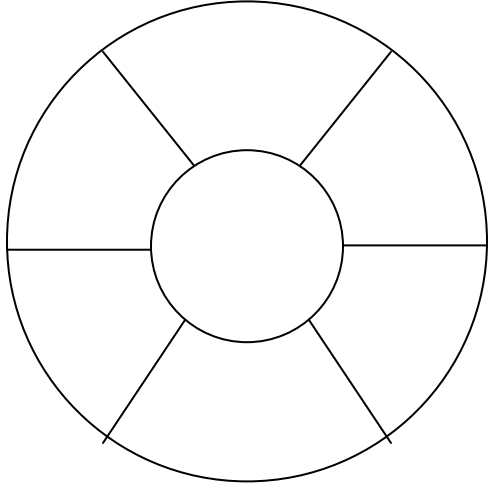
B. *California Math Triumphs, 5B: Functions and Equations (1/2 course)*

- 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 #6.

II. Extension Activity Options: - (Algebra Readiness: Complete any 3 of 5)

1. Complete one **Activity Lab** from Chapters 1 – 5.
2. Complete one **Challenge Question** (Section C in each Chapter)
3. Use a **Flow Map** to demonstrate the steps involved in solving a 2 – step linear equation with a variable (ex. $5x - 3.4 = 26.6$)
4. Go to PearsonSuccess.net and compete vs. the computer in **Quiz Game – must show 70% or above mastery** Chapters 1 - 5
5. Complete a **Printable** page from online resources at PHSchools.com or **Math Companion – Chapters 1 - 5.** (page to be determined by teacher & student in area of concern – or to show mastery)

6. 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.