

Course Description

A. COVER PAGE

1. Course Title Pre-Algebra B	9. Subject Area <input type="checkbox"/> History/Social Science <input type="checkbox"/> English <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Laboratory Science <input type="checkbox"/> Language other than English <input type="checkbox"/> Visual & Performing Arts (for 2003) <input type="checkbox"/> Elective
2. Transcript Title / Abbreviation pre-algebra-b	
3. Transcript Course Code / Number	
4. School Ernest Righetti High School	
5. District Santa Maria Joint Union High School	
6. City Santa Maria	10. Grade Level(s) 9 th – 12 th
7. School / District Web Site http://www.smjuhsd.org	11. Seeking "Honors" Distinction? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8. School Contact Name: Kevin McNamara Title/Position: Mathematics Department Chair Phone: (805) 937-2051 Ext.: 2505 Fax: (805) 934-0819 E-mail: kmcnamara@smjuhsd.org	12. Unit Value <input checked="" type="checkbox"/> 0.5 (half year or semester equivalent) <input type="checkbox"/> 1.0 (one year equivalent) <input type="checkbox"/> 2.0 (two year equivalent) <input type="checkbox"/> Other: _____
13. Date of School Board Approval	
14. Was this course previously approved by UC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, year removed from list? _____ Under what course title? _____	
15. Is this course modeled after an UC-approved course from another school? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If so, which school(s)? _____	
16. Pre-Requisites Completion of Basic Math and/or General Math with a grade of "C" or better or by (previous) Teacher Recommendation.	
17. Co-Requisites None	
18. Brief Course Description This is a two semester course for students who are not yet ready for Algebra I, and are still in need of mastering 6 th and 7 th grade standards.	

B. COURSE CONTENT

Please refer to instructions

19. Course Goals and/or Major Student Outcomes

This course is not a graduation requirement for the Santa Maria Joint Union High School District.

Standards of expected student achievement: Upon completion of this course, students will be able to successfully demonstrate understanding of the following standards:

1. Solving Equations and Inequalities
 - a. Solving multi-step equations
 - b. Simple and Compound Interest
2. Linear Functions and Graphing
 - a. Relations and Functions
 - b. Slope and Y-Intercept
 - c. Scatter Plots
3. Spatial Thinking
 - a. Points, Lines, and Planes
 - b. Polygons and Congruence
4. Area and Volume
 - a. Space Figures and Cross Sections
 - b. Surface Area and Volume
5. Right Triangles in Algebra
 - a. Square Roots and Irrational Numbers
 - b. The Pythagorean Theorem
6. Data Analysis and Probability
 - a. Histograms, Box-and-Whisker Plots, Stem-and-Leaf Plots
7. Nonlinear Functions and Polynomials
 - a. Patterns and Sequences
 - b. Multiplying Binomials

20. Course Objectives

21. Course Outline

22. Texts & Supplemental Instructional Materials

Pre-Algebra (2001-Prentice Hall) by Davison, Landau, McCracken, and Thompson.

23. Key Assignments

24. Instructional Methods and/or Strategies

25. Assessment Methods and/or Tools

Assigned homework, written examinations (multiple choice and free response) aligned to standards.

C. HONORS COURSES ONLY

Please refer to instructions

26. Indicate how this honors course is different from the standard course.

D. OPTIONAL BACKGROUND INFORMATION

Please refer to instructions

27. Context for Course (optional)

28. History of Course Development (optional)