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| **Algebra 2**  **COURSE SYLLABUS**  School Year 2018-2019  INSTRUCTOR: Mr. Frank Chacon |
| |  |  | | --- | --- | |  | Coronado High School, Room 130 | |  |  | |  | 575.638.5491 ext124 | |  | chacon\_f@jmsd.k12.nm.us | |  | P.O. Box 230  Gallina, NM 87017 | |  |  | |  |  | |  | | |
| **A. DESCRIPTION**  Developing mathematical understanding and problem-solving abilities is an ongoing process, a journey both inside and outside the classroom. This course is designed to help make sense of the mathematic you encounter in and out of class each day and to help you develop mathematical proficiency.  You will learn important mathematical principles. You will also learn how the principles are connected to one another and to what you already know. You will learn to solve problems and learn the reasoning that lies behind your solutions. You will also develop the key mathematical practices of the Common Core State Standards. The problem-solving and reasoning habits and problem-solving skills you develop in this class will serve you in all your studies and in your daily life. They will prepare you for future success as a student. |
| **B. ORGANIZATION**  Class will begin with students reviewing the previous days lesson with a warm-up problem. Students will then receive direct instruction and will work on independent assignments individually or in a cooperative learning environment. Student will use Cornell Focused Note taking strategies during the lesson. Before exiting the class, students will reflect and summarize to review the days lesson. |
| **C. COURSE OBJECTIVES**   1. To introduce students to expressions, equations, and inequalities. 2. To introduce students to functions, equations, and graphs. 3. To introduce students to linear systems. 4. To introduce students to quadratic functions and equations. 5. To introduce students to polynomial and polynomial functions. 6. To introduce students to radical functions and rational exponents. 7. To introduce students to logarithmic and exponential functions. 8. To introduce students to rational functions. 9. To introduce students to sequences and series. 10. To introduce students to quadratic relations and conic sections. 11. To introduce students to probability and statistics. 12. To introduce students to matrices. 13. To introduce students to periodic functions and trigonometry. 14. To introduce students to trigonometric identities and equations. |
| **D. COURSE TOPICS**  The course will cover the following topics:   1. Number and Quantity 2. Algebra 3. Functions 4. Geometry 5. Statistics and Probability |
| **E. TEXT AND REQUIRED SUPPLIES**   1. Required text: *Algebra 2 Common Core,* by Pearson Education, Inc. 2. Supplies: Students will be responsible for bring paper, pencils, etc. to class daily. |
| **F. GRADING**  40% Daily Work/Homework. Reports/Presentations & Class participation  25% Periodic/Weekly/Bi-weekly tests  25% Nine (9) weeks test  10% Attendance |
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| Note: Your recorded grades will be available for your review at any convenient time. Do remember to *keep all assignments and quizzes returned to you* so that any discrepancies can be easily and fairly straightened out. Except in cases of actual error, final grades are permanent.  Final "I" grades will *not* be permitted except in cases of prolonged, continuous, and excused absences in the latter half of the course. Under no circumstances will an "I" grade be given when more than half of the coursework has not been completed. |
| **G. CLASSROOM RULES OF CONDUCT**   1. Students will have respect at all times. 2. Students will be on task and engaged during class. 3. Students will complete as assignments. 4. Students will bring all necessary materials to class. 5. Electronic devises will be allowed with the approval of the Instructor.   **Algebra 2**  **COURSE SYLLABUS**  School Year 2018-2019  INSTRUCTOR: Mr. Frank Chacon  **Signature Page**  Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­ Date  Parent Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date  Teacher Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date  Principal Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date |
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