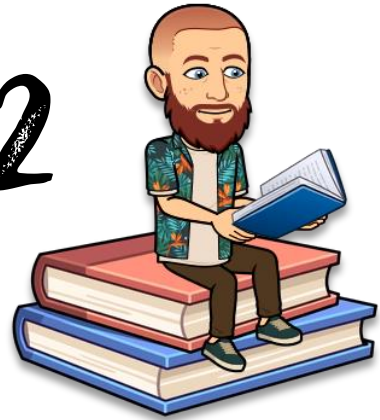


# Algebra 2

Course Syllabus  
Mr. Marcos Velazquez



## Description

Algebra 2 is an exploration and analysis of the different families of functions. In this course, we will cover linear, quadratic, polynomial, radical, exponential, logarithmic, rational, and trigonometric functions. In this course, we will also address imaginary and complex numbers, conic sections, and matrices. Graphing calculator skills will be taught and used extensively. Throughout this course, students will develop learning strategies, critical thinking skills, and problem-solving techniques to prepare for future math courses and college entrance exams.

### Contact Information

Room: P205

Email: [mvelazquez@coheaedu.com](mailto:mvelazquez@coheaedu.com)

Phone: (305) 362-4006

Planning: 7<sup>th</sup> Period

### Required Materials

- 3-Ring Binder, 1-inch
- Pencils
- Graph Paper or Quad Ruled Paper
- Scientific Calculator (Graphing Recommended)
- Binder Section Dividers (at least 3)
- Graphing Calculator App (Desmos or GeoGebra)
- Ruler or Geometric Ruler (optional)
- Highlighters (optional)

### Classroom Rules & Expectations

1. Always be on time to class.
2. Always show respect for your teacher and classmates.
3. Always use classroom-appropriate language.
4. Always bring your required materials.
5. Always use electronic devices for school-related material only.
6. Always raise your hand to be recognized.
7. Always ask questions and participate in class discussions.
8. Always communicate with your teacher about expected or continued absences.
9. Always wait at your seat for the bell to ring for dismissal.
10. Always try your best.

### Technology Policy

**The classroom is a no cell phone zone.** If your parents/ guardians need to reach you in an emergency, they must call the office. You will have access to a school laptop for instructional use.

### **Consequences**

Failure to adhere to the proper rules and procedures for this class or COHEA in general will result in the following:

1. Verbal warning/Seat change
2. Student-teacher conference
3. Contact parent/guardian
4. Written referral
5. Disciplinary meeting with parents and administration

### **Grade Breakdown**

- 30% Major Assessments / Tests
- 25% Mini-Assessments / Quizzes
- 20% Class Learning
- 20% Projects / Co-op Work
- 5% Home Learning

### **Late & Make-Up Work**

- Late work is prohibited without an excused absence.
- Make-up work may be given at teacher's discretion.

### **Course Topics**

- |   |  |
|---|--|
| 1. Functions & Transformations            | 6. Exponential & Logarithmic Functions |
| 2. Quadratic Functions                    | 7. Rational Functions                  |
| 3. Complex Numbers                        | 8. Probability                         |
| 4. Polynomial Functions                   | 9. Sequences & Series                  |
| 5. Rational Exponents & Radical Functions | 10. Matrices                           |

In signing below, I indicate that I have read and understand all rules, requirements and expectations outlined above.

\_\_\_\_\_  
**Print Student Name**

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Print Parent/Guardian Name**

\_\_\_\_\_  
**Parent/Guardian Signature**



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