

**Charles J. Colgan, Sr. High School**  
*"Preparing and Inspiring Students for their Future"*

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**Ms. Jordan Koca**  
**Pre-AP Algebra I • 2019-2020 Course Syllabus**  
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Office Hours: **Tuesday & Thursday 2:20-3 pm and by appointment**

**Course Overview**

This course is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, and polynomials.

**Course Objectives**

1 <sup>st</sup> Marking Period	2 <sup>nd</sup> Marking Period	3 <sup>rd</sup> Marking Period	4 <sup>th</sup> Marking Period
<b>Unit 1:</b> Solving Equations <b>Unit 2:</b> Functions <b>Unit 3:</b> Graphing Linear Equations	<b>Unit 4:</b> Writing Linear Equations <b>Unit 5:</b> Systems of Equations <b>Unit 6:</b> Direct & Inverse Variation	<b>Unit 7:</b> Inequalities <b>Unit 8:</b> Radical Expressions <b>Unit 9:</b> Exponents	<b>Unit 10:</b> Polynomials & Factoring <b>Unit 11:</b> Quadratic Equations <b>Unit 12:</b> Regression

**Students will take the Algebra I End of Course SOL test in the spring.**

**Recommended Materials**

3 Ring Binder

Notebook Paper

12 Dividers

Pencils, Highlighters, Colored Pencils

A TI-84+ graphing calculator\* or a scientific calculator

\*A class set of TI-84+ graphing calculators will be available for use in class and after school. Students can also download the Desmos Graphing Calculator App to use at home.

**Course Grade**

A student's overall grade for the year is a weighted average of the four marking period grades and the final exam grade. Each marking period count as 22.5% of the overall year grade, while the final exam counts as 10% of the overall year grade. Within each marking period, a student's grade is broken down into two categories.

Summative (80% of Marking Period grade)	Formative (20% of Marking Period grade)	Ungraded Assignments (0% of Marking Period grade)
<ul style="list-style-type: none"><li>measures student mastery of a learning target</li><li>occurs at the end of a unit</li><li>includes but not limited to: tests and projects</li></ul>	<ul style="list-style-type: none"><li>measures student progress towards mastery of a learning target.</li><li>occurs within instruction towards a learning target</li><li>includes but not limited to warm-ups, quizzes and accuracy graded activities</li></ul>	<ul style="list-style-type: none"><li>provides the opportunity to practice, receive feedback, and develop mastery of a learning target</li><li>includes but not limited to independent practice and checking for understanding questions</li></ul>

**Missed Work**

Assessments will be announced in advance. Students who miss an assessment should schedule, immediately upon their return, a time to make-up the assessment.

## Retake Procedures

Students will be given multiple opportunities to master objectives. Formative grades (quizzes) may NOT be retaken as I override these with the corresponding **summative assessment** grades. Students will be given a quarter test to count as their retake for their **summative** assessments. Each individual summative objective on the quarter test will replace the previous summative grade if the new score is higher. Quarter tests may be retaken but this will only replace the single Quarter Test grade. It will not go back and replace the summative assessments again. In order to retake a quarter test, students must meet the following criteria:

1. Student will fill out a retake request form.
2. Students will complete and submit a Proof of Knowledge assignment. If a student scored below a 65%, they must also receive tutoring on the objective.
3. Students may then sign up to retake the exam after school. Students may not attempt a retake on the same day they submit the first two criteria.

## Contact Information

The best way for both parents and students to contact me is via email at [kocajn@pwcs.edu](mailto:kocajn@pwcs.edu) or Edmodo. I am happy to respond to you via e-mail. My goal is to answer all emails within 24 hours, so please do not hesitate to contact me with any questions or concerns. Both students and parents should check The Hub weekly and address any concerns as soon as they arise. The use of The Hub, Edmodo and email will be extremely beneficial in monitoring student's progress.

### **Edmodo**

I maintain an Edmodo page to communicate with students and parents. Here are instructions for students and parents:

1. Visit [www.edmodo.com](http://www.edmodo.com) from your phone or computer.
2. Click on the "Join a group" button and enter the code, **qsnvpx**
3. Follow the instructions to create an account and get started on Edmodo!

## Additional Information

Algebra I can be a challenging course for many students. Please take full advantage of the following opportunities for support:

- **After-school help:** I will be available for after school help. Students can check the board each week for the days I will be staying after. There are also other Algebra I teachers who can offer assistance. The Math Honor Society will also set up peer tutoring.
- **Class websites:** Posting of daily class activities, summaries, assignments and upcoming assessments will be posted on Edmodo.
- **Google:** Technology is an important innovation in today's education system. If a student should find an independent practice difficult, we encourage them to use Google, YouTube and Khan Academy (for videos) in addition to their notes.

**I look forward to working with you and your student this school year!**

Ms. Jordan Koca