**REQUIREMENTS & EXPECTATIONS**

**Algebra 2 Lab(PARCC) 2015-2016**

### Teacher: Mr. T. Spadafino

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EXTRA HELP ROOM 349 AFTER SCHOOL

The Algebra 2 Lab (PARCC) is a course designed to prepare students to pass the PARCC Algebra 2 assessment, prepare students to be successful on the SATs, and provide support with learning Algebra 2 concepts. The course will focus on sharpening problem solving skills, test-taking strategies, and writing in mathematics.

**PARCC Testing**

In 2016 the PARCC assessment will consist one test session, instead of two sessions. This will reduce the amount of time that you spend testing.

The **ALGEBRA 2 PARCC TEST** will be administered from April 11–May 20,2016

**The Algebra 2 Lab (PARCC) will concentrate on two areas**

**Content knowledge** - refers to the body of information that teachers teach and that students are expected to learn in a given subject or content area, such as English language arts, mathematics, science, or social studies. Content knowledge generally refers to the facts, concepts, theories, and principles that are taught and learned, rather than to related skills—such as reading, writing, or researching that students also learn in academic courses.

**Literacy** - An individual’s ability to read, write, speak, and compute and solve problems at levels of proficiency necessary to function on the job, and in society, to achieve one’s goals, and develop one’s knowledge and potential.

**Class Structure –**

The class is based on the students understanding the content of Algebra 2 and having the ability to read and understand written directions. Every day each student will be given a Performance Based Task. The Performance Based Task will ask students to read and understand directions and complete a task based on what they have read.

The student may use their book, discuss with others, and search the internet to complete the task. **The teacher will serve as a guide for students**.

# Grading Policy

Tests: 40% Homework/Class Work: 40%

Portfolio 10% Participation: 10%

**Tests:** You will be given an assessment after each section. Each section will last about 5 days.

**Homework/Class work:** Class work will be collected and graded. Students must submit anything required in class or requested by google classroom. Homework may be assigned some nights and will be checked the following class.

**Portfolio:** Each student will maintain a portfolio. All test, quizzes, reflections and self-evaluations must be included in the portfolio. Grades will be based on completeness of the portfolio.

**Midterm & Final Exam:** There will be **no** midterm or final exam.

**Supplies**:

Each student will need a 3 ring binder. Notes will be provided and students are expected to use their notes for every aspect of the class.

***Course Goals:*** By the end of the course students will be able to:

* Solve equations both graphically and algebraically.
* Define, compare and use quadratic and polynomial functions to solve problems.
* Use exponential and logarithmic functions to solve real-life problems.
* Describe, graph, and analyze exponential and logarithmic functions and solve equations.
* Describe, graph, and analyze radical and rational functions and solve equations.
* Find trigonometric functions of angles.
* Apply trigonometry to analyze and solve a real-life problems.
* Graph and analyze trigonometric functions.
* Solve problems using statistical measures and probability.
* Use technology as a tool for solving real-life problems.
* Analyze data, think critically for problem solving, and formulate conclusions to better prepare for advanced study in mathematics.

# *Resources and Materials:*

Textbook- Algebra 2, Glencoe, 2009

* TI 83+ or TI-84 Graphing Utility
* Binder
* Pencil
* IPAD/ChromeBook

# *Classroom Expectations:*

1. Respect others’ opinions, ideas, and property.
2. Be on time.
3. Be prepared each day-that means bring your laptop, homework, textbook, notebook, and pencil.
4. Actively participate in class lesson and discussions.
5. All hand out work should be completed using a pencil.
6. **NO FOOD OR BEVERAGES IN CLASS.**
7. **NO USE OF CELLPHONES OR ANY ELECTRONIC DEVICES IN CLASS.**

**CONTACTING YOUR TEACHER**

I am more than happy to meet with you for extra help. I will be available during 10th period in room 424 or 349 everyday (2:30 – 3:00 pm).

Students are ALWAYS aware of their grade in this course. Parents/Guardians can contact me anytime to request their student’s grade or look on their Genesis account. Genesis will be updated on a weekly basis. Any questions or concerns regarding grades or student progress should be addressed as soon as the problem is known.