



Course Syllabus

Course Name: **Algebra 2**

Room: **1**

Period: **5**

Google Classroom Code: **p3avek7c**

Teacher: **Mrs. Summer Labog**

Email Address: slabog@paparts.org

Welcome to Algebra II S.Y. 2026 – 27!

Course Overview:

Algebra 2 builds on the foundational concepts of Algebra 1 and Geometry. Students will deepen their understanding of functions, polynomials, rational expressions, complex numbers, logarithms, sequences and series, and quadratic equations. The course also prepares students for Pre-Calculus and standardized testing (e.g., SAT, ACT).

Course Objectives:

By the end of this course, students will be able to:

- Analyze and graph different types of functions (linear, quadratic, polynomial, rational, exponential, and logarithmic).
- Solve equations and inequalities involving radicals and complex numbers.
- Understand and apply the Binomial Theorem and sequences and series.
- Use matrices and systems of equations to model and solve problems.
- Interpret and analyze data using statistical methods.

Key Principles:

- ✓ Everyone can learn math and the only way to *learn it* is to *do it*.
- ✓ Math is based in the real world. Everything around you is mathematics.
- ✓ There is more fun in learning math. There is no such thing as boring mathematics.
- ✓ Questions are important. Do not be afraid to ask. Explore to learn more.
- ✓ People learn from their mistakes, don't be afraid to make them.
- ✓ Try your best—even when it's hard.

What I Expect of Students:

- To come to class every day on time prepared to work and learn.
- To put forth maximum effort to be successful in the classroom and master the content.
- To participate actively in the lessons whether individually, in pairs or in groups.
- To adhere to all school rules in the classroom.
- To be kind, respectful, responsible, reliable, a role model.

What Students Can Expect of Me as a Teacher:

- To create a positive learning environment where all students feel safe to try new things, take risks and express themselves.
- To be fair and treat all students equally.
- To present content material in a manner that will allow all students to learn.
- To provide additional support in and outside of the classroom to ensure students could achieve mastery.

Required Materials (to bring every day):

1. **2 Pocket Folders** – to put worksheets and review packets.
2. **1 Spiral Notebook** – It is very important to take down notes.
3. **Pencils or Pens** – It is recommended to use pencils so that it is easier to correct mistakes.
4. **Chromebook** – for online work (Khan Academy, Google Classroom, etc.)

Materials Provided:

- ✓ **Calculator** – There's a calculator number designated for each student which will be used for the entire school year. Students are not allowed to use any other calculator number.
- ✓ **Textbook** – Math & You Algebra 2
 - ❖ Please note that all materials are being loaned and should remain in good condition. If you lose these materials or if they are damaged when it is time to return them, you will be charged the replacement cost.

Grading Breakdown:

20% - Homework/In-Class work (Worksheets)

20% - Quizzes

50% - Tests

10% - Bell Ringers/Exit Tickets/Participation/Notebook Checks

Semester 1 - 40% = 1st Quarter Grade; 40% = 2nd Quarter Grade; and 20% = semester final exam (70%)/MOY(20%)/Project(10%)

Semester 2 - 40% = 3rd Quarter Grade; 40% = 4th Quarter Grade; and 20% = year-long final exam (70%)/EOC(20%)/Project(10%)

Unit Test:

On a unit test, if a student scores:

- ★ **Below 50%**, students are **required** to retake. (Students **cannot** earn a passing grade with ½ credit for corrections, if the grade is <20%, but <50% shows great need for reteach *and* retest of essential skills.)
- ★ **Between 50-69%**, they are **required** to either retake it or make corrections (their choice).
 - If they choose to retake it, they keep the higher of the two grades between the original attempt and the new assessment.
 - If they choose to make corrections, they earn half of a point back for every point lost on the original assessment.
- ★ **Between 70-79%**, retake or corrections are **optional** by the student.

- If they choose to retake it, they keep the highest grade between the original and the new assessment.
- If they choose to make corrections, they earn half of a point back for every point lost on the original assessment.

★ **An 80% or higher, retake is optional** by the student. *Corrections for credit are not allowed.*

Any higher than 79% and students can earn A without actually demonstrating mastery.

Example:

★ **(half of 80% is 40% + the 20% = 60%).**

** Late work is accepted but penalized by 15% off the final assignment grade. If the work is more than one week late, the highest possible grade is 60%.*

** Tests will be announced several days in advance. Quizzes will be given periodically and maybe given at any time **unannounced** since they serve as an indicator of daily learning.*

**Students are expected to demonstrate mastery at 80% as math is a subject that builds on prior skills. If a student gets below 80% in quizzes/tests, he/she needs to retake the quiz/test.*

**If mastery is not demonstrated, students will participate in remediation to relearn the concepts and then retest over that standard/skill. It is remediated during Targeted Assistance during the school year.*

Absences:

If a student is absent on the day of a quiz or test, he or she must schedule the makeup for the next day. A student has one day for each excused day absent to make up missed assignments. If an assignment is due the day a student is absent, the assignment is due the day the student returns. For absences that exceed one day, the student will have at least as much time to do makeup work as the number of days of class absence. Excessive absences of 10 or more may result in a loss of credit for high school students.

Tardiness:

If a student arrives after the tardy bell has rung to begin the period, he/she will be considered tardy to class. If a student arrives 15 minutes late, this is considered Absence Unexcused Truant (AU). If the student has a pass, the pass should be given upon arrival to class.

Restroom:

One student at a time may use the restroom. Students are given a PANDA Student Pass. If a student is out for more than five minutes, office staff will be notified.

Electronics Policy

Wireless Communication Device Procedures

In accordance with **Senate Bill 11 (2025)** and guidance from the **New Mexico Public Education Department (PED)**, Public Academy for Performing Arts (PAPA) has adopted the following procedures to reduce distractions and promote a safe, focused, and respectful learning environment.

Definition of Wireless Communication Devices

A wireless communication device is any portable electronic device capable of transmitting voice, text, or data, including but not limited to:

- Cell phones and smartphones
- Smartwatches
- Tablets
- Laptop computers
- Gaming devices
- Wireless headphones

Student Expectations

- Wireless communication devices must be **silenced and kept out of sight** (such as in a backpack or locker) from arrival on campus until the dismissal bell.
- Students may **not use, display, or access** wireless communication devices during the school day unless **explicitly authorized** by a teacher or school administrator for an educational purpose.

Exceptions

Students may use a wireless communication device during instructional time only when:

- Required for a documented medical need or care plan.
- Authorized by school personnel during an emergency.

Consequences for Unauthorized Use

- Students using a wireless communication device without permission will be required to surrender the device to the front office, where it must be picked up by a parent or guardian.
- Students may also be required to secure their device in a **locked cell phone pouch** for the remainder of the school day. The pouch may only be unlocked in the front office after dismissal.
- Refusal to comply with staff directions regarding wireless communication devices will be addressed according to the school's **Behavior Matrix**, including consequences for defiance and disruption of the educational process.
- Tampering with or damaging a locked cell phone pouch will result in:
 - Financial responsibility for the cost of replacing the pouch.
 - Additional disciplinary consequences for destruction of school property, interference with instruction, and defiance.

Parent/Guardian Communication

Parents and guardians who need to communicate with their student during the school day should contact the **school's front office**. Students who need to contact a parent or guardian during school hours must do so through the front office with permission from school staff. This procedure helps ensure the safety of all students while minimizing disruptions to teaching and learning.

Dismissal:

Students should remain in their seats until the bell rings. Ensure that desks and chairs are in their original position; keeping the area neat and clean.

Discipline Procedure:

Failure to adhere to school rules in the classroom will result in appropriate disciplinary action. Please review the Student Handbook for further details regarding discipline and the school's attendance policy.

July
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Key Units of Study

Approx. Dates	Sem 1
August (Q1Wk 1)	Orientation
August (Q1Wk 2-3)	Linear Functions
Aug-Sept Q1(Wk 4-6)	Quadratic Functions
Sept (Q1Wk 7-9)	Quadratic Equations and Complex Numbers
Oct (Q2Wk 10-Q2Wk 1-2)	Polynomial Functions
Oct-Nov (Q2Wk 3-5)	Rational Exponents and Radical Functions
Nov (Q2Wk 6)	Rational Functions
Nov (Q2Wk 7)	Thanksgiving Break
Nov-Dec (Q2Wk 8)	Rational Functions
Dec (Q2Wk 9-10)	Final Exam Review/Final Exams
Approx. Dates	Sem 2
Jan (Q3Wk 1-3)	Exponential and Logarithmic Functions
Jan-Feb (Q3Wk 4-6)	Data Analysis and Statistics
Feb (Q3Wk 7-9)	Trigonometric Ratios and Functions
Mar (Q3Wk 10-Q4Wk2)	Sequences and Series
Mar (Q4Wk 3)	Spring Dance Week
Mar (Q4Wk 4)	State Testing
Mar-Apr (Q4Wk 5)	Spring Break
Apr (Q4Wk 5-7)	Matrices
May (Q4Wk 18-19)	Final Exam Review/Final Exams

Note: The syllabus may be modified as needed.

 Contact & Support

I am committed to helping every student succeed in Algebra 2. If you have any questions or concerns throughout the year, please contact me by email (slabog@paparts.org) or arrange a meeting. Tutoring and extra help will be available through Targeted Assistance Class - 8th Period.

 Syllabus Acknowledgement

Please read and discuss this syllabus together. Then sign and return this portion to indicate your understanding of the course expectations.

Student Name (print): _____

Student Signature: _____

Date: _____

Parent/Guardian Name (print): _____

Parent/Guardian Signature: _____

Date: _____

Parent/Guardian Phone Number: _____