**Algebra 2 Syllabus**

**Ms. Schifley**

**Year 2022-2023**

**Welcome Back Students!**

This class is based on the NYS Regents Algebra 2 Curriculum. We meet everyday and will be working our way through the curriculum in the form of classwork, homework, reviews, group work, and assessments.

**Classroom Expectations:**

* Students are required to follow the ALCS Code of Conduct at all times
* Students are expected to show respect for themselves, the teacher and classmates at all times.
* Students are expected to be in the classroom ready for instruction when the class bell rings.
* Students are expected to have their graphing calculators, a pencil/pen, and a binder/notebook for class every day.
* Cellphones and other devices are not to be used during instruction time unless approved by teacher. Unauthorized use of devices during instruction time will result in loss of participation points for the day.
* Students may request to borrow a calculator from the school if they would like a calculator for home use. See attached contract.
* ASK QUESTIONS! Algebra 2 is a challenging class and getting clarification on topics will help you succeed in this course.

**Grading Policy:**

* *Homework* (15%): Students will have homework assigned everyday and are expected to come to class with it completed. Homework will be checked for completion at the beginning of every class period.
* *Classwork/Participation* (5%): Students will be expected to participate in class by completing in class practice problems, and putting homework questions on the board.
* *Cumulative Reviews* (15%): Cumulative Reviews will be assigned throughout the year to review topics in preparation for the final exam. Students will generally have about two weeks to complete the review. Students may turn in reviews early to be checked for correctness. Students can earn up to a 105 by completing the assignment and turning it in at least one day prior to the due date.
* *Quizzes* (15%): Quizzes will be announced and will be given periodically throughout a unit
* *Unit Exams* (50%): A formal exam will be given at the end of each unit. Generally, a day of review will be held one prior to the test.

**Learning Outcomes:**  After completion of this course students should be able to

* Solve contextual problems on topics of quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions.
* Interpret structure in expressions, transform functions, and use regressions as a method to analyze and model data.
* Expand understanding of probability by building on concepts introduced in earlier years.

**Course Outline:**

* Unit 1: Polynomials Operations
* Unit 2: Rationals
* Unit 3: Misc. Equation Solving
* Unit 4: Radicals
* Unit 5: Relations and Functions
* Unit 6: Quadratics and Complex Numbers
* Unit 7: Polynomial Functions
* Unit 8: Exponential Functions
* Unit 9: Logarithmic Functions
* Unit 10: Trigonometry Functions – Unit Circle
* Unit 12: Trigonometry Functions – Graphs

**Academic Integrity:**

Students are encouraged to discuss topics and ideas with classmates. However, any assignments are required to be your own work. Copying from another person or source (internet) is considered cheating. Any copied work will receive a 0% for everyone involved, and will require a meeting with the teacher. Talking or having electronics out during a quiz or test will be considered cheating as well and will also result in a 0% for the assignment.

**To Parents/Guardians:**

I am so very excited to get the opportunity to teach your students this year! Please contact me with any questions or concerns about the class, your student, or myself at any time throughout the school year. I can be reached through my school email [hschifley@alcsny.org](mailto:hschifley@alcsny.org) or my school phone at 716-375-6600 ext. 2227

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In order to communicate clear expectations and policies to both you and your child, I am requiring that each student and parent/guardian sign this document and return it to me on or before September 16th 2022.

Please feel free to contact me with any questions or concerns.

**I have received and read the classroom expectation, grading policy, and academic integrity requirements for Algebra 2 and have indicated this with my signature in the space below.**

**Student (print/sign):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent/Guardian(print/sign):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**