

# New Paltz Central High School

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## *Welcome to Algebra 2A*

Algebra 2A is a year-long course that focuses on problem solving and critical thinking, algebraic functions, algebra with real and complex numbers, basic trigonometry, statistics and probability. We will have time to explore topics graphically, numerically, analytically, and verbally. Be prepared to work on problems that you may not know how to approach; that's what mathematics is all about! This class does not end in a Regents Exam, but our approach to mathematics will be directly aligned with New York's Next Generation Learning Standards.

*Please feel free to come after school (in room 137 or 214A) or e-mail anytime if you have questions.*

### Curriculum Topics:

**Relations and Functions**

**Linear Equations and Functions**

**Quadratic Expression and Equations**

**Exponents and Radicals**

**Exponential Functions and Equations and Logarithms**

**Series and Sequence**

**Right Triangle Trigonometry**

**Probability and Statistics**

### Grading

Your quarter average can be determined at any time by adding up the number of points earned and dividing it by the total number of possible points. Look below to see how points are earned.

### **Daily Check: 5 points**

A short daily quiz ("daily check") will be given at the beginning of most classes. The daily check will be based on the homework and/or material from the previous class. Each quarter, three to four of your lowest daily check grades will be dropped. **If you miss a daily check due to an absence, you may make up the daily check as long as you make it up before the next class. If not, a missed daily check will count towards one of the dropped daily checks.**

**Homework** will be given on a daily basis and may be a video lesson or a set of problems. All videos and all worksheets, with answers, will be posted on Google Classroom. You are expected to do the homework and check the solutions as you work. If you get stuck on a problem, work through the solution to see if you can figure it out that way. If you have questions on homework problems, come work with me after school or find me during the day.

**Class Work: 2 to 10 points**

Some of the problems and activities that we do during class will be collected and graded.

**Projects and Tests: 20 to 50 points**

There are usually 4 or 5 tests and/or projects per quarter. If you miss a test due to an absence, you will be expected to make arrangements to take the test as soon as possible. We will not cover any new material the class before a test, so if you miss the class before a test, you will be expected to take the test with the class, unless you make other arrangements with me. Use the material in Google Classroom to work on practice materials and sample tests.

**Opportunities to Demonstrate Mastery/Retakes of Quizzes for full points back**

If you do not perform the way you wish to on any quiz/test, you may retake the quiz (or portions of the quiz) to demonstrate your new understanding of the content and get full points back. In order to do this, you must 1) do corrections on the quiz; 2) do additional practice on the concept(s) you didn't fully understand; 3) arrange a time to retake the quiz. You may retake quizzes until you feel you've demonstrated your understanding fully. All retakes need to be completed by the end of each quarter, and no retakes will be allowed the last week of the quarter (unless you make special arrangements with me).

**Other Important Info****Missing Class:**

If you miss class, you are expected to look on our Google Classroom (GC) to see the Classwork you missed (**posted in GC as *Material***) and what Homework was assigned (**posted in GC as *Assignment***.) You are also encouraged to come find me before the next class, either after school or during the day, to take the daily check you missed and to learn any new material we covered so you're prepared for the next daily quiz. Remember: If you plan to make up a missed daily check, you need to make it up **before** the next class.

**After-School Help:**

Please come after school anytime if you have questions or need help on anything. You can find me in the math office (room 214A) or in room 137 after school every day. I am often here until the cows come home, so drop by anytime.

You may also reach me through e-mail at [kstewart@newpaltz.k12.ny.us](mailto:kstewart@newpaltz.k12.ny.us).

**Cell Phone Policy:**

Research clearly shows that cell phones interrupt learning, focus, and our ability to enjoy a learning community. For that reason, I have a firm no cell phone policy. (If you have an important need to use your phone during a specific class, let me know ahead of time.)

**Google Classroom:**

I will post all assignments, solutions to homework questions, video lessons, and announce upcoming tests and projects on our Google Classroom page, so check that regularly. In addition, I post test reviews with complete solutions and extra practice problems that can help you at home.

***Let's work together to make this a productive year for all of us!***