

# Algebra 1 Honors

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Room #334

## Course Description:

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course, and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The Algebra 1 Honors course that your student is enrolled in is a **high school class** and as such, follows high school category weights and the honors curriculum pacing guide, and the grade earned will appear on their permanent high school transcript. As a result, **students are expected to maintain at least an 80% overall average in this class at all times. Failure to do so on a consistent basis may result in a schedule change.**

**Textbook:** The Algebra Textbook used this year is consumable. The online version may be accessed by your student through their myPascoConnect login.

### Units of Study:

*Topic 1:* Solving Equations & Inequalities

*Topic 2:* Linear Equations

*Topic 3:* Linear Functions

*Topic 4:* Systems of Linear Equations - Inequalities

*Topic 5:* Piecewise Functions

*Topic 6:* Exponents and Exponential Functions

*Topic 7:* Polynomial & Factoring

*Topic 8:* Quadratic Functions

*Topic 9:* Solving Quadratic Equations

*Topic 10:* Working With Functions

*Topic 11:* Statistics

*Topic 12:* Polynomial & Rational Expressions

### Classroom Materials:

Spiral Notebook, Notebook paper, Graph paper, Pencils, Colored pencils, Highlighter, Small ruler, Glue stick, Calculator (Scientific only) TI-30XIIS or TI-30Xa

### Absences and Makeup Work:

Students will be given a minimum of two (2) calendar days per day or period of absence to make up all tests, assignments and related work.

### Grade Awareness:

Parents/students should maintain awareness of student test grades and homework grades on a regular basis, rather than the overall grade. This may be beneficial when determining what sections may need additional review.

### Grading Categories:

#### Assessments 60%

- Tests
- Quizzes

#### Other 40%

- Classwork
- Assignments
- Projects

### Grading Policy:

Homework is assigned most days, is expected to be completed on time, and in pencil. All papers are to be headed in upper right hand corner with full name, date, period, and assignment. All work must be shown in order to receive full credit.

90% - 100% = A

80% - 89% = B

70% - 79% = C

60% - 69% = D

59% or lower = F

### Resources:

Please make sure parents and students are familiar with the online resources listed below: *myStudent*, *myLearning(Algebra Course)* and *Savvas EasyBridge(Online Algebra Resource)*

### Remind App:

Please check/signup for availability of *remind app* for your course(Different for each teacher). The remind app is a courtesy, but students are still expected to record and complete their daily homework in order to be prepared for daily classes and assessments.

<u>Implications of enrolling</u>	<u>students in a high school course</u>
<ul style="list-style-type: none"> <li>• Algebra is a high school course and a passing grade must be earned for credit to be awarded.</li> <li>• Middle school students enrolled in high school courses must follow high school regulations as set forth by the Florida Department of Education and supported by the Pasco County Student Progression Plan.</li> <li>• The grade earned in this course will be used in calculating the Class Rank Grade Point Average (GPA) as well as the state graduation GPA, which will follow the student on his/her high school academic history.</li> </ul>	<ul style="list-style-type: none"> <li>• Students are required to take the District Final/State EOC for Algebra which counts as 10% of the second semester grade/30% of the yearlong grade.</li> <li>• Geometry Honors is the next subsequent course in the progression for students who successfully complete Algebra 1 Honors.</li> </ul>