***ONEIDA HIGH SCHOOL***

**Course Syllabus for Algebra I**

Mr. Jobe Jeffers– [jobejeffers@oneidaschools.org](mailto:jobejeffers@oneidaschools.org)

Algebra I is a year-long course and required for graduation.

***Course Conten*t**

First Nine Weeks Second Nine Weeks

Variables & Expressions Point-Slope Form

Order of Operations & Evaluation Standard Form

Properties of Real Numbers Parallel & Perpendicular Lines

Distributive Property Scatter Plots & Trend Lines

Relations & Functions Regression

Parent Graphs Solving Inequalities (4 parts)

Solving Equations (5 parts) Graphing Two Variable Inequalities

Proportions & Similar Figures Properties of Exponents (3 parts)

Rate of Change & Slope Adding & Subtracting Polynomials

Slope-Intercept Form (3 parts) Multiplying Binomials (2 parts)

X-Intercept & Y-Intercept Factoring Trinomials (3 parts)

Sequences & Functions

Third Nine Weeks Fourth Nine Weeks

Quadratic Functions & Equations (4 parts) Systems of Equations & Inequalities (4 parts)

Quadratic Formula Probability

Exponential Functions Pythagorean Theorem

Exponential Growth & Decay Distance & Midpoint Formula

Simplifying Radicals (2 parts) Trigonometric Ratios

Radical Expressions Rational Expressions (4 parts)

Radical Equations

***Course Materals***

The following is highly recommended to help the student succeed:

1. Pencils
2. Erasers
3. Textbook (Classroom set provided)
4. ***Loose-leaf*** notebook paper
5. Graph paper (Optional)
6. Calculator (Optional) *The following are suggestions:*
   * TI-30XS (inexpensive)
   * TI-Nspire
7. **Math Binder** – (3-ring)…**1” to 1-1/2” recommended** with pockets. The binder is to keep class notes, assignments, and exams. (Color does not matter!)
8. Dividers (for binder ~ pack of 4)

* Dividers/Tabs: Notes, PODs, Homework, Tests

***Grading*** *(9 weeks grade)*

**Participation 10%**

**Quizzes 20%**

**Homework 30%**

**Tests 40%**

***Participation***

My participation grade will consist of Problems of the Day, in-class activities, staying on task, placing phone in caddie before every class period, productive participation, etc.

***Homework***

Expect homework. Homework is a chance for you to practice the skills taught in class. Without practice, learning will not take place. Usually, time is given in class to work on homework but not always. If you miss a day or do not do your homework on time, it must be made up. All missing assignments are due within 5 days. Each day after the due date, assignments lose 20 points. It is the student’s responsibility to get missed work turned in promptly.

***Test and Quiz Grades***

Classes are given tests and quizzes periodically to gauge understanding and determine weaknesses. If your child doesn’t take an active part in his/her learning, grades will begin dropping quickly. It is vitally important to not let academic problems go unaddressed, especially in high school math classes! Students have an opportunity to retake any test one time if they ask but it must be done before or after school by appointment.

***Extra Credit***

Sticker Page.

* Students receive stickers for receiving an A on quizzes and tests. 3 stickers earns one point at the end of the nine weeks. (Max: 2 average points per grading period)

***Classroom Expectations***

* Bring pencil (PENS are not a good idea for math work), loose-leaf paper, binder, and homework to class daily.
* Restroom Breaks: Ask permission, sign out completely, minimize disruption, sign back in, and continue class.
* Be respectful to each other.
* Be in your seat, ready to work when the tardy bell rings.
* Listen and follow directions.
* Disrespect, sleeping, and repetitive zeros on homework will not be accepted. If any of these become a recurring problem, that student will be sent to the office for disciplinary action.

***Personal Statement***

My goal is that every student learns and feels successful in math. A student who works hard, tries, and attends school will NOT fail. It has been my experience that a student gets as much out of a class as they put into it. Students are expected to do all assignments to the best of their ability and seek help if they have trouble. Assignments are necessary to help learn the required material. Practice is essential to learning. Please feel free to contact me at any time during the year if you have any questions. If you need to speak to me, feel free to call the high school at 569-8818 or you may email me. My email address is [jobejeffers@oneidaschools.org](mailto:jobejeffers@oneidaschools.org).

*Thank you,*

*Mr. Jobe Jeffers*

***ONEIDA HIGH SCHOOL***

*Algebra 1*

*Mr. Jobe Jeffers*

By signing below, I am stating that I have read, understand, and plan to follow the policies and procedures for this course. Please sign and return to Mr. Jeffers. This is the ONLY page that should be returned.

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Student’s Signature

By signing below, I am stating that I have read, understand, and plan to support the policies and procedures for this course.

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Parent’s/Guardian’s Signature