# Algebra II

**Smith – Spring 2019**

## Course Expectations

<table>
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<tr>
<th>Contact Information:</th>
<th>Email: <a href="mailto:kelly.smith@sau57.org">kelly.smith@sau57.org</a></th>
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</thead>
<tbody>
<tr>
<td>Note: On the class website there is a link to the google classroom page which will have announcements and reminders for upcoming assignments or tests/quizzes. Students will be invited to join google classroom via email. Parents will be invited via the email provided below to receive classroom announcements or messages.</td>
<td>Class Website: <a href="http://sau57.org/kelly-smith">http://sau57.org/kelly-smith</a></td>
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## Course Information:

Algebra II is designed for students who have demonstrated competency in Algebra I and Geometry. Students will use visual, algebraic, and numerical skills to explore algebraic concepts such as graphing and solving quadratic equations, polynomial functions, rational functions, radical functions, exponential functions, logarithmic functions, and trigonometric functions. This class will be taught using a growth mindset philosophy, focusing on depth of knowledge and understanding.

## Course Materials:

**Textbook:** *Algebra II, Larson* will be available in the classroom, or may be taken home by request.

**Materials:** You are always expected to have at least 2 PENCILS, math binder, calculator, and paper for binder (other recommended materials: colored pencils/pens/highlighters, graphing calculator).

## Class Starters:

Classes begin each day with a class starter activity that may be a review of material learned from the last class, a new exploration, or a review of algebra skills. Class starters may be collected as classwork.

## Tests & Quizzes:

All tests and most quizzes will be announced in advance. Show ALL work neatly (full credit is not given unless all relevant work is shown).

## Homework:

Expect homework to be assigned most days. Homework will be checked or collected at the beginning of class, while students work on the class starter. Credit is based on completeness and correctness and will be on the portal under “self-directed learner” (full credit is not given unless all relevant work is shown and all problems are attempted).

## Extra Help:

Extra help is offered at least two days per week, before school (7:00-7:25) and after school (2:15 – 3:30). The days offered each week will be posted on my website. Students are encouraged to join me in room B329 to ask questions, get help on course material, or work quietly on homework. Please, please, please ask questions right away and see me outside of class if you are confused. Don’t wait until you are overwhelmed! I would love to help!!

Khan Academy: khanacademy.org/ (A free website to access for additional help videos and practice)

Math help sessions after school with Dean Pioccone once per week
**Policies & Procedures:**
All policies and procedures of this class are aligned with those described in the SHS Student Handbook.

**Absences:** You are expected to be in class every day and be on time. If you are absent, you must get the notes from a classmate as well as complete any missed assignments, tests, and quizzes. Blank copies of worksheets are available from Ms. Smith. You are responsible for setting up a time to make up work before or after school with Ms. Smith. In accordance with the Student Handbook, students who are excused absences or suspended have one day for each day of absence to make-up missed schoolwork and students who are truant or unexcused will receive a “zero” for any missed work.

**Cell Phones/Personal Electronics:** *There will be no use of cell phones, iPods, or other personal electronics in the classroom unless permission is expressly given by Ms. Smith.* In accordance with the Student Handbook, the use of personal audio devices, where audio can be heard, is prohibited during school hours. Within a classroom, teachers may provide a warning, confiscate and return at the end of the block. When electronic device is given to dean:
- First offense: Returned at end of day
- Second offense: Parent must pick up
- Third offense: Parent must pick up, one-hour detention
- Subsequent: May result in suspension

**Classroom Rules:** Everyone in the class is expected to have and demonstrate respect for themselves, respect for each other, respect for the teacher, and respect for the classroom/materials. Additionally, students are expected to keep comments positive and helpful. At all times, students are expected to follow all of the rules discussed in the Student Handbook. Consequences include before/after school detentions, school detentions, and/or referrals to the Dean.

<table>
<thead>
<tr>
<th>Grading:</th>
<th>80% Summative Assessments (Tests, quizzes, projects, graded classwork, quick checks)</th>
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<td>20% Final Exam</td>
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**Competencies**
All assignments will be graded based on proficiency in the following four competencies:

**Seeing Structure in Expressions (SSE):** Students will understand that expressions can be written in multiple ways, and that each version of the expression reveals something about the problem it represents. [25% of semester grade]

**Reasoning with Equations and Inequalities (REI):** Students will understand solving equations and inequalities as the logical and strategic application of algebraic properties. [25% of semester grade]

**Interpreting Functions (IF):** Students will understand that equations, verbal descriptions, graphs, and tables provide insight into the relationship between quantities. [25% of semester grade]

**Building Functions (BF):** Students will understand that functions can be created by identifying the pattern of a relationship or by applying geometric transformations to an existing function. [25% of semester grade]

Each assignment will be entered into Infinite Campus under each of the competencies addressed in that assignment, ranging from only one to all four competencies (depending on the assignment). The total points in each competency for that assignment will be determined by the questions asked (so it may have more points in one than another). Students may also receive different grades in each competency for the same assignment. Thus, each assignment will have multiple competency grades instead of one total grade.

For example, if an assignment called “Quiz1” was entered into Infinite Campus, it may look like the following:

<table>
<thead>
<tr>
<th>SSE:</th>
<th>REI:</th>
<th>IF:</th>
<th>BF:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiz1 5/6 (or 83%)</td>
<td>Quiz1 1/1 (or 100%)</td>
<td>Quiz1 8/15 (or 53%)</td>
<td>Quiz1 9/10 (or 90%)</td>
</tr>
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So if this were the only grade, this student’s semester grade would be

\[(83)(.25) + (100)(.25) + (53)(.25) + (90)(.25) = 81.5\%\]
Please feel free to email me if you have any questions about grading.

Report Card comments will include feedback on how well you do the following:

- Bring the necessary materials to class (pencils, binder, paper).
- Cooperate and respectfully work with your classmates and teacher.
- Help classmates when you can (and when it is appropriate).
- Ask relevant questions and be active in class discussions.
- Be responsible with your class work, homework, and assessments.
- Contribute to a positive classroom environment.
- Abide by the classroom rules and procedures.

**Guidelines for Re-Takes**

1) Up to the date that the **initial** quiz is administered, 80% of homework and classwork must be completed. (This is at any time during the quarter)

2) Parent(s) must sign the initial quiz and return.

3) Re-takes must take place within 5 school days of the returned test date. This assures students stay current with new material.

4) Re-takes can only occur once for each quiz.

5) Students must indicate effort by correcting incorrect answers on the quiz/test to be eligible for re-takes at least one day prior to the 5th day. This will allow for timely feedback and is a gauge for retention of the material.

6) Days and times of re-takes are scheduled at teacher’s discretion. All re-takes must be completed in its entirety on the retake day agreed upon by student and teacher.

7) No re-takes will be allowed the last week before grades close for report cards.

8) No re-takes on midterms or final exams.

**How to do Test Corrections**

- Do test corrections on a separate piece of paper
- Do the following for EVERY problem on which you lost points:
  - Give the correct answer to the problem
  - Show all the relevant correct work needed to arrive at the correct answer
  - **Explain WHY** you lost points (i.e. what did you do wrong on the original test that resulted in loss of points?)
- Each problem should be numbered
- All work should be done neatly
- The original test should be stapled behind the test corrections
- Include the provided ‘Request for Retake” cover page (available in Room B329 or on the class website)
I look forward to a wonderful semester! Please feel free to email me if you have any questions, comments, or concerns throughout the year. I encourage you to attend extra help sessions and utilize Khan Academy for supplemental videos and practice!

Thank you,
Ms. Kelly Smith

Please read and sign the bottom. Turn in the completed section to Ms. Smith by Wednesday, January 30th.

I have read this course management plan and understand the expectations for Ms. Smith’s Algebra II class and have shared them with my parent(s)/guardian(s).

Student Name: ____________________________  Student Signature: ____________________________

Student School Email: ____________________________@nhsau57.org

Parent/Guardian Name(s): ____________________________  Parent/Guardian Signature: ____________________________

Parent Email: ____________________________  Parent Phone #: ____________________________

Please share any comments below (optional):