

Naperville North High School

Algebra with Geometry



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Mission

To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors

Course Description

This course is designed for students who have a mastery level of integer and fraction operations, solving linear equations and an introduction to linear functions. This fast-paced course will allow students to complete Algebra 1 and Geometry in one year. A major emphasis will be placed on the integration of algebra and geometry skills and concepts. **Students with a grade lower than 73% at semester will be placed in Algebra 1 second semester.** Students successfully completing this course will meet the Illinois state graduation requirements for both Algebra 1 and Geometry. A graphing calculator may be used in this course, but is not required (TI-84 + recommended if purchasing). *Note: some portions of our course are considered no calculator. Desmos.com can be used as a free alternative to a graphing calculator.*

Students entering Algebra with Geometry should be able to:

- Solve equations: one-variable, variables on both sides, no solution/ininitely many solutions, literal equations, function form
- Graph linear equations: from a table, using slope-intercept form, using intercepts, rate of change, identifying slope
- Use Distributive Property
- Exhibit self-advocacy and perseverance behaviors

Course Topics

- Linear Functions
- Polynomial Expressions
- Right Triangles
- Circles
- Quadratic Functions
- Exponential Functions
- 2-D Figures: properties & area
- 3-D Figures: surface area & volume

Grading Calculation Definitions

In Geometry, we use the following categories with given weight.

- Homework (Practice) 10%
- Mini Quizzes (Evidence) 10%
- Tests (Evidence) 80%

Grading Practices

Grades communicate each student's progress toward mastery of goals/standards for the course.

- No extra credit will be issued.
- Violations of the academic integrity policy will be consequence by administration in collaboration with the DC/teacher.
- In Infinite Campus, a score of "Missing" (M) will indicate an assessment has not been turned in. After an agreed upon due date, a zero (0) will be recorded.
- **Homework (Practice):**
 - Practice work is not accepted for credit after the due date.
- **Mini Quizzes (Evidence):**
 - If absent, students will be excused from Mini Quizzes.
 - There will be no retakes.
 - A zero on a Mini Quiz will only indicate that no attempt was made by the student.
- **Tests (Evidence):**
 - Students have 5 school days to complete missing Tests. (An 'M' for Missing will be put in the gradebook and if not completed after 5 days will be changed to a 0).
 - If a legitimate attempt is made on a Test, a score of 50% will be the lowest possible grade.
 - A zero on a Test will only indicate that no attempt was made by the student.
 - **Reassessments:**
 - Students may earn up to 80% (on Tests) and must complete the reassessment within 5 days of the students receiving feedback, unless otherwise determined by the instructor.
 - Students must complete at least 80% of the Homework (Practice) prior to the test.
 - Students must complete designated learning practice prior to reassessment.

Grading Disbursement

A= 100-90%

B= 89-80%

C= 79-70%

D= 69-60%

F= 59-0%

The student's Semester Grade contains Coursework and Final Exam scores. Here is the grade breakdown:

- Coursework = 85%
 - Assessments (Evidence) = 80%
 - Mini Quizzes (Evidence) = 10%
 - Homework (Practice) = 10%
- Final Exam =15%

Academic Integrity Code Statement

District 203 students are challenged to address the academic process enthusiastically, diligently, and most importantly, honestly. It is the responsibility of our students, teachers, and administration to uphold the fundamental academic values of honesty, responsibility, fairness, respect and trust. The integrity of our district's academic programs is built upon these principles.

Academic integrity violations include, but are not limited to, cheating; plagiarism, self-plagiarism or copy infringement; obtaining or providing an unfair advantage; falsification of documents; unauthorized access to records; and inappropriate collaboration, whether intentional or unintentional. The classroom teacher and administration will collaborate and exercise professional judgment in determining academic integrity violations.

The use of translating devices and/or direct translation from a native speaker or tutor is strictly forbidden. You must do your own work. Remember: There is a significant difference between getting help and having something or someone else do your work for you. There are consequences both academic and non-academic for students who do not adhere to this policy. Violations will be tracked and added during your time at NNHS.

Math Support

Students who do not demonstrate mastery of the essential learning standards on the test at the end of each unit of study may be assigned to Math Support. This is an intervention that will occur daily in the first half of the student's lunch period. The student would work with two math teachers to address any misconceptions of the essential learning standards. Once they demonstrate mastery, they will be exited from this support with a reassessment score of 70%. If this support is necessary, parents and students will receive notification of the schedule change from the Math Department Chair.

Additional Resources for Support

- Make an appointment with your teacher.
- Select a WIN session with an Algebra 1 teacher.
- Drop in for Peer Tutor/Math Help through the Literacy Center.
- After-School Tutoring in Learning Commons (check with Student Services for schedule.)
- Online Resources:
 - Digibook Algebra 1: <https://naperville203algebra1.weebly.com/>
 - Digibook Geometry: <https://naperville203geometry.weebly.com/>
 - Canvas (notes, practice): <https://naperville.instructure.com>
 - Khan Academy Algebra 1: <https://www.khanacademy.org/math/algebra>

Parents & Guardians/Communication

Naperville North believes in a collective partnership with parents/guardians which provides students the best opportunities for success.

Some ways parents/guardians can support their student's learning are:

- Encourage your student to speak directly with their teacher about questions or concerns. As a high school student, they will be expected to advocate for themselves.
- Actively check Infinite Campus for their student's grade.
 - Infinite Campus is a tool to monitor student progress until final course grade is posted.
 - Check the Missing Assignment reports that are sent on a weekly basis.
 - Monthly progress grades are posted and represent the current grade of a student in the course at that moment in time.
- Discuss missing assignments, reiterate due dates, help organize folders, materials, assignment notebooks and review upcoming projects and assessments.
- Teachers make every effort to respond to parent emails and phone calls within 24 hours during the work week.
- The best way to communicate with teachers is through email; however, if you haven't received a response within 48 hours, please resend the email or call their voicemail. Your email may have been filtered.