



Reynolds High School

Math Topics

Building Relationships for Academic Success

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Required Materials: You will need a section in your binder for math, pencil, paper, and a calculator. Other materials can be accessed through the class Schoology page.

Course Description: This course is fourth year option for students at Reynolds High School. The material covered in this course are primarily topics outside the usual Algebra – Geometry – Trigonometry high school track. These topics will feel very different to students from what they have studied in previous courses and are valuable in the field of mathematics. This course will explore concepts and applications of logic rules, sets and counting, probability and statistics. Students will investigate problem-solving techniques as well as non-traditional math topics such as social choice and discrete mathematics.

Course Requirements: Students should expect homework assignments with each class session and generally two quizzes per unit. Tests and unit projects will be given at the end of each chapter.

You are responsible for the class material, even when you are absent. I suggest getting notes from a classmate or checking in with myself as soon as possible. There will be some videos and powerpoints available through our Schoology page covering the material we went over during our class, but it is not a substitute for attendance.

Course Schedule/Outline of Units:

Dates	Topic
September	Number Systems
October	Set Theory
November	Logic
December	Logic
January	Counting Principles
February	Sequences and Series
March	Sequences and Series
April	Statistics
May	Voting and Apportionment
June	Graph Theory

Grading Policy Description: Your grade will be determined by both formal and informal assessments based on the objectives covered in class. Your final grade will be reported as a letter grade.

Students' grades will be weighted:

70% based on Mastery (Unit tests, Unit projects, Semester Exams)

15% based on Quizzes (graded for correctness)

15% based on Homework (graded for completion)

Letter Grade Description:

Grade Percentage	Letter Grade	Description
100% - 90%	A	The student fully understands the content and the course objectives have been mastered.
89% - 80%	B	The student understands the content and course objectives at an above average level.
79% - 70%	C	The student understands the course content and course objectives at an average level.
69% - 60%	D	The student understands the course content at a below average level and a minimum of course objectives are met.
59% - 0%	F	The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.

Late Work/Retake Policy: Homework is assigned each class day and is expected to be completed by the next class day. Late homework will only be accepted until the end of the unit. Quizzes can be retaken one time, for up to full credit. Quizzes must be completed before the end of the unit. Tests may be retaken one time up to a maximum score of 80%. If you miss a test due to an absence, and do not make it up by the next class day, you will not be able to retake it. Tests must be completed by the end of the semester due date.

Class Expectations:

Prepared and Punctual: Please be on time to class. Tardiness is a sign of disrespect. Materials needed for class includes paper, pencil, and calculator. I have scientific calculators available to borrow during class, and graphing calculators can be checked out from the library. We will occasionally be using rulers and highlighters. These are also available to borrow in class.

Organized: You will need a section in your binder for math. Keep all work for the current unit in your binder. After the unit test, you may remove that unit's work from your binder, however you need to keep it in a safe place to study for the semester and final exams.

Writers: Be sure to keep your planner up to date with due dates, quiz, and test dates.

Engaged: Your time in high school is limited, be sure to get the most out of your education by being engaged in class. Be sure to pay attention in class and study for tests and quizzes. The entire class period should be used effectively. Phones and Headphones are not allowed during instructional time.

Respectful: Everyone's opinion is valuable to our discussions. There will be no negative comments, unconstructive criticism, or inappropriate behavior. Be respectful of the class environment by cleaning up after yourself and taking good care of the classroom supplies. Food is not allowed in class.