



## Reynolds High School – Math Topics

**Instructor Name:** Charlotte Wells  
**Phone with ext:** (503) 667-3186, ext. 1131  
**Room #:** 719  
**Email address:** [cwells@rsd7.net](mailto:cwells@rsd7.net)  
**Online Resource:** [reynolds.schoology.com](http://reynolds.schoology.com)  
Access Code: 4<sup>th</sup> period: K329-94SR-BH8N5

### 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 Materials:

Powerpoints, videos, notes, and assignments are available through our Schoology page. Students should have a binder section for math to keep the notes taken and copies of assignments. Students will also find it helpful to have pencils, pens, highlighters, and a calculator.

### Course Schedule/Outline of Units

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

### Course Requirements:

Students should expect homework assignments with each class session and two quizzes each unit. Tests will be given at the end of each chapter, followed by a unit project. Assignments will be posted on our Schoology page. You will be expected to show me completed assignments in a timely manner. If you miss a quiz or a test, you will have the chance to complete a make-up version of the quiz or test.

**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 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.

## Grading Policy:

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 (Chapter Tests, Semester Exams, Projects)

15% based on Quizzes (graded for correctness)

15% based on Homework (graded for completion)

## Late work and Retake Policy:

Homework will be accepted for full credit until the day of a chapter test. Arrangements need to be made with me for make-ups or retakes as they will need to happen outside of class. There will be one retake possible for each quiz and test, and they may be taken until the week before finals each semester. 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.

## Letter Grade Description & Percentage Breakdown

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

## 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. You can download a calculator on your phone (I suggest Desmos) or use one on your computer.
- **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 in order 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. You can use either an electronic version of the planner or can pick one up at school.
- **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.
- **Respectful:** Everyone's opinion is valuable to our discussions. There will be no negative comments, unconstructive criticism, or inappropriate behavior.