



Reynolds High School

Math Games (2025 – 2026)

Building Relationships for Academic Success

Instructor: Andrea Hernandez
Room 705

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Necessary Materials:

- Chromebook – charged, decluttered, and updated
- Paper, pencil, eraser, colored pencils, highlighters
- A scientific calculator

Disclaimers:

By taking this course, you are agreeing to interact with all other students in the class. Students with anxiety issues can be successful with some accommodations, but a willingness to play games with others is crucial to a successful outcome. Not doing so will negatively impact your grade.

Using cell phones, headphones, and ear buds during class will interfere with your ability to interact with others in class. These behaviors will negatively impact your grade. Keep them off and away.

This class relies heavily on good attendance. If you miss class, you may miss activities that cannot be recreated. This will negatively impact your grade.

This class will be using cards, dice, and other games and game pieces. If you mistreat these necessary supplies, you may be asked to replace them and/or lose the privilege of using them. This can negatively impact your grade.

If you or your parents are concerned about the activities in this class that involve dice or gambling, please discuss them with me directly.

Course Description:

This course will use games as the vehicle to explore math concepts. We will study probability (month 1), expected value (month 2), Pascal's Triangle and modular numbers (month 3), and combinatorics (month 4). We will see how to use these concepts to make decisions, problem-solve, and evaluate or create a game. It is a semester course and awards 0.5 math credit. All resources for this class will be provided in class and in Schoology.

Course Requirements:

This course will require you to play games! You will also be asked to complete daily warm-ups, game evaluations, and assignments. We will have a test at the end of each unit and a final project at the end of the semester.

Grade Weights and Grade Policies:

The gradebook will show three categories: Summative (40%), Formative (20%), and Participation (40%).

- The Summative category is for unit tests and the final project.
- The Formative category is for quizzes and game evaluations.
- The Participation category is for game participation, warm-ups, and homework.

ALL missed work must be made up when you are absent. Please check Schoology and/or see me to figure out what needs to be done. Homework and quizzes from a given unit cannot be completed for full credit after the summative test for that unit is given, but may be completed for partial credit.

Each test can be retaken (up to 90%) at any time before the end of the semester. You may be required to perform a task in preparation for a retake to strengthen the skills needed to improve your score.

Quizzes cannot be retaken except under extraordinary circumstances.

Opportunities to work in collaboration with other students is encouraged (often mandatory), but all work turned in must be your own. Under no circumstances is it acceptable to turn in work copied from another student or anything that is AI generated.

Letter Grade Description & Percentage Breakdown:

Grade Percentage	Letter Grade	Description
100% - 90%	A	The student understands the content and course objectives at a mastery level.
89% - 80%	B	The student understands the content and course objectives at an above average level.
79% - 68%	C	The student understands the course content and course objectives at an average level.
67% - 56%	D	The student understands the course content at a below average level and a minimum of course objectives are met.
55% - 1%	F	The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.
0%	N	No work has been completed to allow for an evaluation. No credit earned.

Cell Phone Policy – Off and Away:**As per the Governor's Executive Order and RHS School Board Policy:**

All students are required to keep all personal electronic devices—including cell phones, smartwatches, and wired/wireless earbuds or headphones—powered off and stored away for the entire school day. This includes during class time, passing periods, and lunch/breaks.

Class Expectations (POWER):

<u>Letter</u>	<u>Stands for</u>	<u>What does this look like in our classroom?</u>
P	Prepared & Punctual	Be in your seat when the bell rings. Have your supplies out and ready to use. Have your assignment out and ready to correct.
O	Organized	Have your assignments available to access in class. Have a binder or 2-pocket folder for class papers. Have your computer files named and saved in folders.
W	Writers	Write assignments and test dates in your planner. Learn and use mathematical notation in your work. Write evaluations and analyses of games that we play.
E	Engaged	Do the activities assigned from bell to bell. Work well alone and with your group. Stay in class unless it is an emergency.
R	Respectful	Sit in your assigned seat. Treat classroom and borrowed supplies carefully. Demonstrate behavior that does not disrupt learning.

Additional Information:

- I have some supplies for you to use while in class, including a small number of calculators. I am unable to replace broken, mistreated, or stolen supplies.
- In addition to my expectations, please refer to the student planner for the school's POWER expectations and respect matrix.
- Please check Schoology (reynolds.schoology.com) for class information. A class calendar and the daily agendas will be found there.
- Regularly check your grades in StudentVue. Parents can get a ParentVue account to check on grades!

Parents, Guardians, and Student,

Please fill in the information below and return this section to Mrs. Hernandez in Room 705.

Student name (first and last, printed) _____

Class _____ Period _____

Student signature (indicates you received a syllabus): _____

Parent signature (indicates you received a syllabus): _____

Is there anything you feel I need to know that will allow us to successfully work together this semester?
