

Algebra 2 Honors

"... we would like to help students develop...mathematical power, that is, the ability to explore, conjecture, and reason logically; to solve non-routine problems, to communicate about and through mathematics; and to connect ideas within mathematics and between mathematics and other disciplines..."

TEXT

McDougal Littell, Algebra 2

CONTENT

Focus Statement: Students will solve equations, inequalities, and systems of equations and inequalities; they will also graph polynomial functions, conics, exponential, and logarithmic functions. They will simplify rational expressions and apply properties of complex numbers, matrices, and trigonometric ratios to solve problems.

TEACHER

Mr. Rayola

CONTACTING ME

Main Office (815)439-5555

Voice Mail Extension 5883

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Website: <http://psd202.org/PSHS/depts/math/rayola/rayola.html>

AVAILABILITY FOR EXTRA HELP

- I am available to help students before or after school. An appointment is required a day in advance.
- Study hall options

ORGANIZATION OF DAILY LESSONS

Lesson

- Daily Warm-Ups get students doing math from the beginning of the period
- Provides key concepts, relevant vocabulary, and meaningful examples
- Places topics in a real world setting to provide students with a perspective as to why that are studying these topics
- Often discovery or technology oriented

Five Types of Questions

- *Communicating Mathematics* – offers a variety of types of questions that allow students to explain the concepts they have learned.
- *Practice* – offers real world and other applications of the lesson topics.
- *Critical Thinking* - has students ponder different types of problems that are extensions of the main ideas.
- *Problem Solving* –offers a variety of higher level applications of the lesson.
- *Review* – mixed problems focusing on previous lessons.

GRADES

The 18 week grade is based upon the following weighted categories:

- Homework 20%
 - Quizzes 25%
 - Tests 40%
 - Semester Exams 15%
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- Homework most of the time is worth 5 points. This is given almost DAILY! It is rare if I don't assign homework!
 - 5 points:** Work is shown for each problem, graphs, and/or diagrams are drawn, after marking the incorrect answers, corrections are made!
 - 4 points:** 1-3 problems are not complete or necessary work is not shown, homework corrections have not been
 - 3 points:** 4-8 problems are not complete or necessary work is not shown, homework corrections have not been made
 - 1 point:** Over one-half of the assignments is not complete or necessary work is not shown.
 - 0 points:** The assignment is present at time of check.
 - *DEAR- Drop Everything And Read*
 - 5 points:** Reading material is brought to class and read.
 - 4 points:** Disrupted class once or was warned once to read.
 - 3 points:** Disrupted class twice or was warned twice to read.
 - 1 point:** Disrupted class numerous times or was warned numerous times to read
 - 0 points:** Did not bring any reading material to class or did not read. There are makeup possibilities if reading material was not brought to class.
 - Quizzes and tests will be out of 100%.
 - Talking during a quiz or test will result in a 0 on the quiz or test.
 - If the student does not like the grade they earned on the quiz, they will have an opportunity to make corrections for half credit. The corrections will need to have the correct work, answer, and an explanation of what the student did wrong. They must turn in the corrections the next day. If the problem was not attempted (left blank) on the original quiz, then that problem cannot be corrected.
 - Almost every chapter incorporates a project.
 - There will be projects that will incorporate all the TEAM CLASSES!

GRADING SCALE

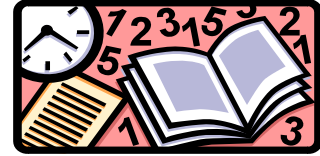
90-100% A	80-89% B	70-79% C
	60-69% D	0-59% F

Progress Reports will be sent out every 6 weeks.

Late Homework Policy

All homework is due at the *beginning* of class on the given due date.

- 1 day late = 1 point off
- 2 days late = 2 points off
- 3-5 days late = 3 points off
- After 5 days = 0%
- Projects 10% off per day late



If you are ABSENT...

Homework:

If you are absent, you are expected to turn in the homework that was due the day you missed on the day you return. (Hopefully you have your homework done before you get sick!)

When you return it is **YOUR responsibility** to find out what you missed! Upon returning you will need to write down your missed assignments from the agenda board. If you were absent on the day a worksheet was handed out, your worksheet will be in the folder located by the agenda board.

Remember, you have one day for each day missed to get the work turned in. After that, the work will be considered late and will fall under the above guidelines. As you are catching up with the work you missed, be sure not to neglect the homework assigned when you return. Please check my website, <http://psd202.org/PSHS/depts/math/rayola/rayola.html>, for handouts, homework, reviews, etc. Unexcused absences will result in a 0% for the work that was missed.

Tardies - Refer to student handbook. Remember must be in assigned seat when bell rings.

Additional Class Room Reminders:

No Food or drink is allowed in class. Also no electronic devices such as Mp3, cameras, or cell phones are allowed in class. You will receive a detention or sent to the dean for food, drink or electronic devices if they are in the classroom! All Rules apply when a substitute teacher is teaching!