Algebra 2 Honors
2015-2016
Mrs. Atkinson   729-5537 (Room #206)

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Text @mathohs2 to (989) 414-4994 for class reminders

Welcome:

Welcome to my class and Algebra 2 Honors. This is my second year teaching at OHS but my eighth year in the district. I look forward to working with you and your student this year! A strong background in Algebra 1 and Geometry will be an asset in this course. Algebra 2 will build on what you learned in Algebra 1 and extend you well beyond it. Good note taking and faithful practice will be necessary for continued success in this course. Seek help early and often if needed.

Course Description:

Algebra 2 Honors fulfills one year of the mathematics requirement set by the Michigan Merit Curriculum. The purpose of this course is to prepare students for Precalculus and the ACT/SAT exams. Concepts that will be covered include: solving equations, inequalities, writing linear equations, solving systems of linear equations, graphing linear and quadratic functions, trigonometry, probability and statistics, arithmetic and geometric sequences, exponential and logarithmic functions, rational and radical functions, polynomial functions, and basic operations with matrices. Concepts in Algebra 2 Honors will be covered at a more rigorous pace and in more depth than in a regular Algebra 2 class.

IB Overview:

International Baccalaureate (IB) offers high quality programs of international education to a worldwide community of schools. There are more than 700,000 IB students in more than 130 countries throughout the world. In essence, IB is a different way of approaching education. It is employed to organize cross-curricular units to give students a broader perspective of course content. Its main goal is to increase student awareness of global issues and better prepare them for the challenges of the 21st century. This course will still follow the Michigan Merit Curriculum based on the State of MI High School Content Expectations, but will also implement IB principles.

The aim of all IB programs is to develop students who strive to be inquirers, knowledgeable, thinkers, communicators, principled, open-minded, caring, risk-takers, balanced and reflective. The traits of IB Learner start with the home and extend to every learning opportunity so students will develop their awareness of, and sensitivity to, the experiences of others beyond the local or national community.

Materials:

- Textbook: **Algebra 2** by McDougal Littell
- Notebook for handouts, notes and homework:
    - 3-ring binder (recommended with dividers) and/or spiral notebook and/or folder
- Graphing Calculator - see last page of this syllabus for more details
- Pencils - sharp and ready to go

Classroom Expectations:

1. <u>Polite</u>: Respect others, classroom materials, and yourself; Do your **own** work
2. <u>Prepared</u>: Have required materials every day!
3. <u>Prompt</u>: Be in your seat when the bell rings with needed materials for the day
4. <u>Productive</u>: Do work when asked and do not disrupt others' learning
5. <u>Positive</u>: Kind and positive words only!
6. <u>Participate</u>: Participate in class discussions and answer questions when called on

All school rules and guidelines apply and will be enforced in the class. Please see your student handbook.

Discipline:
The general disciplinary code as found in the student handbook will be followed. Specific classroom discipline problems will be handled personally first and then will involve office or parent consultations.

- First offense: Verbal Warning
- Second offense: Seat change/Teacher conference
- Third offense: Parent contact
- Fourth offense: Office referral

Procedures:
- Mandy lessons for this course have been flipped, meaning videos will be viewed as homework assignments and practice problems will be completed in class.
- There will be a note check after each video to assess that you have viewed and understand the material presented in the video.
- All assignments will be due prior to the test for each chapter.
- Hall passes are for emergencies only and you **must have your own planner**. Each student will receive two passes for the semester. Use them wisely; once you are out you will not receive any more.

Cheating:
Cheating will NOT be tolerated!! It is expected that students do their own work. If a student has copied or in some other fashion has obtained answers to homework, quizzes, or tests he/she will receive an automatic zero for the assignment. This policy will be in effect for <u>all tests, quizzes and homework.</u> If cheating occurs more than once, a referral will be sent to the office.

Grading:
The semester grade will reflect the accomplishments of the student over the entire 18-week semester. The grades in the class will be recorded as points possible and points achieved. Whenever it becomes necessary to convert the points into letter grades, the following scale will be used:

A	100% - 93%	C	76% - 73%
A-	92% - 90%	C-	72% - 70%
B+	89% - 87%	D+	69% - 67%
B	86% - 83%	D	66% - 63%
B-	82% - 80%	D-	62% - 60%
C +	79% - 77%	Below 60% is unsatisfactory (F)	

It is the responsibility of the student to keep up on the assignments and be ready to take the tests and quizzes on schedule. The assignment dates will be known in advance. Each student is responsible for keeping track of their own grades using **Power School**.
If you lose credit due to absences, but earned a passing grade, you will receive a NC (No Credit) for the semester.

Retesting:

Students will be allowed to retake a quiz/test only under the following conditions:

1. the student has completed all homework assignments prior to testing
2. the original score was below 80%
3. the maximum score on the retest is 80% (mastery level) - the higher score of the two tests will be kept
4. the retest must be taken **before or after school** and it must be scheduled at least one day in advance.
5. a retake form is signed and turned in prior to the retake
6. NO retakes allowed on final exams.

Make-up Work:

Make up tests will be rescheduled with the teacher. It is the student's responsibility to make the arrangements when the student returns from an absence. Make up tests may vary from the tests given at the regularly scheduled times. If you have a known absence (i.e. vacation, field trip, etc.) you will be expected to complete the work before you leave. These absences include all school activities. If a school activity will result in missing a test day it is the student's responsibility to notify the teacher and plan for a test time previous to the day missed. If a test is missed due to absence only on the test day, it will be made up on the day the student returns to school. If your absence is unverified, the assignments missed can <u>not</u> be made up! This includes homework, tests and quizzes.

Technology Policy:

Students will not be allowed to have personal electronic devices in class (cell phones, iPods, iPads, etc.) per the student handbook. If a student is caught with a device it will be taken and will need to be picked up after school. The first offence will be a warning. Your second offence (and all others) will result in a referral to the office and an email/phone call home.

School owned technology (iPads and computers) will be used frequently in class. Students are expected to use technology properly. If a student fails to comply, they will be given an alternate assignment and not be allowed to use technology.

Extra Help:

I will be available before or after school for extra help if needed. Please let me know ahead of time so I can guarantee that I will be available. My weekly availability will be posted in class. After school and lunch tutoring is also available for extra assistance.

Graphing Calculators:
A graphing calculator is necessary for this course!
It is necessary that each student have their own graphing calculator for this class. Casio and Texas Instrument are the two most widely used brands. The math department prefers Casio and this is the brand I will have. Students may use my graphing calculators for test and quizzes while in class, but they can not take them home. Many homework assignments will require a graphing calculator.

Graphing calculators are very powerful mathematical tools and can aide greatly in the learning and understanding in this course and those beyond. If you will be purchasing one or borrowing one from a sibling or others look for the following numbers:

- **Casio 9750 or 9850** - (This is the best calculator to have, it is very user friendly and it is the type I have in class.)
- **TI (Texas Instrument) 83 or 83 plus or 84** - (Any TI-83 or TI-84 calculator should be fine, but stay away from the other TI calculators - many of them are not allowed in schools or on standardized tests such as the ACT and SAT.)

The Casio 9750 is the least expensive calculator on this list (around $50 new). You should be able to find this calculator at Staples in Owosso. Any store that carries electronics may also carry one these calculators or check eBay.

If you have any question about a calculator you purchased, bring it in to me before you take it out of the box and I will let you know if it will work for school.

Exams:
All students will be required to take exams.

Contact Information:
The best way to contact me is via email at atkinson@owosso.k12.mi.us as I check it frequently throughout the day. You may also call me at (989) 729-5537. All calls go straight to voicemail during class hours, so please leave me a voicemail with your name and number and I will call you back as soon as possible. Calendar of assignments, class updates, and lesson videos are available on my website at http://aatkinson.weebly.com/ (there is also a link available on the Owosso Public School website under staff.) You may also sign up for class reminders by texting *@mathohs2* to (989) 414-4994.

Please return this page to me. (To be completed by parent/guardian)

I have read through the syllabus and am aware of the classroom expectations. I understand the guidelines that are expected to be followed and the grading policy.

_____

Hour

_____   _____

Student Name (print)   Parent/Guardian Name (print)

_____   _____

Student Signature   Date   Parent/Guardian Signature   Date

If any issue arises with your student, who is the best person to contact:

Name: _____ Relationship to student _____

Please indicate the **best way** to contact you regarding your student (Check one):

☐ Phone   (____)_____   _____

                      Phone Number   Best time to call

☐ Email   _____

                      Email Address

☐ Other   _____

When would you like to be contacted? (Check all that apply)

☐ I would like to be contacted if my student's grade drops below _____%.

☐ I would like to be contacted if my student fails _____ quizzes.

☐ I would like to be contacted if my student has their phone in class. (* 2nd offense is call home/referral)

☐ I would like to be contacted if _____.

Is there anything else that Mrs. Atkinson should know about your student?

(Feel free to answer on the back of this sheet, email atkinson@owosso.k12.mi.us, or call 989-729-5539)