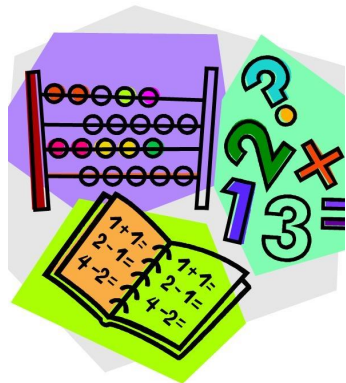




Everything you need to know about Algebra 2 Class

With Mrs. Moore

What is Algebra 2 with Statistics??

In Algebra II with Statistics, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of Algebra and Functions, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. In the content area of Data Analysis, Statistics, and Probability, students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments. Students are introduced to the study of matrices in the Number and Quantity content area.

A focus on mathematical modeling and real-world statistical problem-solving is included across the course; see Appendix E for more information on the modeling cycles for mathematics and statistics. It is essential for students to use technology and other mathematical tools such as graphing calculators, online graphing software, and spreadsheets to explore functions, equations, and analyze data.

My Teacher:

MRS. MOORE

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Supplies:

- ☐ 1 IN. 3 RING BINDER
- ☐ 3 RING PENCIL POUCH
- ☐ PENCIL
- ☐ PEN (OPTIONAL)
- ☐ COLOR PENCILS
- ☐ DRY ERASE MARKER
- ☐ SCIENTIFIC CALCULATOR

Grading:

FORMAL (TEST & QUIZZES) - 70%

INFORMAL (PRACTICE AND ACTIVITIES
LEADING UP TO FORMAL ASSESSMENT) - 30%

A FINAL EXAM WILL BE GIVEN AT THE END OF THE COURSE
FOR 20% OF THE OVERALL GRADE FOR THE COURSE.

Remind:

3RD BLOCK - @EHSMOALG2
TEXT THE CODE TO 81010 OR JOIN THROUGH THE APP

Content:

1. MODELING & TRANSFORMING PARENT FUNCTION
2. QUADRATICS
3. FACTORING & SOLVING QUADRATICS
4. POLYNOMIALS
5. RADICAL EXPRESSIONS
6. EXPONENTIALS
7. UNIT CIRCLE (TRIG)
8. MATRICIS
9. STATISTICS

Grading Procedures:

PRACTICE ASSIGNMENTS -

- PRACTICE IS ASSIGNED AS WE COVER A MAIN IDEA
- PRACTICE IS WORKED ON IN CLASS AND AT HOME
- IT IS CHECKED ALMOST EVERYDAY FOR ACCURACY
- STUDENTS ARE TO CORRECT IT AT HOME (OR IN EXTRA CLASS TIME.)
- DAILY WORK IS TURNED IN THE DAY OF THE TEST/QUIZ.
- 10% IS DEDUCTED FOR LATE DAILY WORK.

TEST/QUIZ:

FORMAL ASSESSMENT GRADES ARE FINAL. I DO NOT OFFER RETAKES ON TESTS.

Class expectations and procedures:

Warm up:	Whole group:	Small group:	Independent	End of Class:
★ GATHER ANY MATERIALS YOU NEED ★ PUT PHONES AWAY ★ GET STARTED QUIETLY ★ YOU MAY TALK TO YOUR NEIGHBOR IF YOU NEED HELP GETTING STARTED	★ PHONES ARE PUT AWAY ★ MOVEMENT IS LIMITED ★ UNSOLICITED TALKING IS LIMITED ★ ACTIVE LISTENING, QUESTIONING, AND ANSWERING IS EXPECTED	★ PHONES ARE PUT AWAY ★ GATHER MATERIALS AS NEEDED ★ TALKING TO GROUP ONLY ★ WORKING WITH ONE ANOTHER COLLABORATIVELY	★ TALKING IS LIMITED TO CONSTRUCTIVE CONVERSATIONS ★ GATHER MATERIALS AS NEEDED ★ COMPLETING TASKS AS YOU ARE INDEPENDENTLY ABLE	★ PUT MATERIALS AWAY ★ TURN IN COMPLETED WORK ★ PICK UP PHONES ★ YOU MAY TALK TO YOUR NEIGHBORS ★ MUST BE ABLE TO TOUCH YOUR DESK

If you are absent:

LET ME KNOW AHEAD OF TIME OR BY REMIND
 FOLLOW ALONG WITH THE DAY'S LESSON ON SCHOOLGY
 CHECK THE BOX WHEN YOU RETURN FOR ANY PAPERS YOU DID NOT RECEIVE

Suggestions:

USE REMIND FOR TIMELY RESPONSE TO SMALL QUESTIONS AND CLARIFICATIONS
 USE EMAIL FOR CORRECTIONS OF GRADES OR ISSUES THAT MAY REQUIRE MORE ATTENTION
 LET ME KNOW IF MATERIAL IS NOT SHOWING AS IT SHOULD ON SCHOOLGY

EHS expectations:

PRIDE:

P - PREPARED
 R - RESPECT
 I - INTEGRITY
 D - DEPENDABILITY
 E - EXCELLENCE

Survey:

PLEASE COMPLETE THE SURVEY FOR IMPORTANT INFORMATION I MAY NEED TO KNOW.



Grading Common Language:

EXCEEDING	A 90-100	STUDENT CONSISTENTLY EXHIBITS ☐ ABOVE AVERAGE UNDERSTANDING OF COURSE STANDARDS ☐ ABILITY TO APPLY UNDERSTANDING IN A VARIETY OF SITUATIONS BEYOND THE SECONDARY CLASSROOM
READY	B 80-89	STUDENT EXHIBITS ☐ AVERAGE UNDERSTANDING OF COURSE STANDARDS ☐ ABILITY TO MAKE CONNECTIONS BETWEEN COURSE STANDARDS AND APPLICATIONS BEYOND THE SECONDARY CLASSROOM
CLOSE	C 70-79	STUDENT EXHIBITS ☐ BASIC UNDERSTANDING OF CRITICAL COURSE STANDARDS ☐ SOME ABILITY TO MAKE CONNECTIONS BETWEEN COURSE STANDARDS AND APPLICATIONS BEYOND THE SECONDARY CLASSROOM
IN NEED OF SUPPORT	D 60-69	WITH SUPPORT, STUDENT EXHIBITS ☐ LIMITED UNDERSTANDING OF CRITICAL COURSE STANDARDS ☐ LIMITED ABILITY TO MAKE CONNECTIONS BETWEEN CRITICAL COURSE STANDARDS AND APPLICATIONS BEYOND THE SECONDARY CLASSROOM
INSUFFICIENT PROGRESS	F 0-59	WITH SUPPORT, STUDENT EXHIBITS ☐ INSUFFICIENT PROGRESS IN UNDERSTANDING CRITICAL COURSE STANDARDS ☐ INABILITY TO MAKE CONNECTIONS BETWEEN CRITICAL COURSE STANDARDS AND APPLICATIONS BEYOND THE SECONDARY CLASSROOM WITH REINFORCEMENT, STUDENT PRODUCES ☐ INSUFFICIENT EVIDENCE TO DETERMINE PROGRESS AND/OR CONNECTIONS TO CRITICAL COURSE STANDARDS