

# HONORS ALGEBRA 2 WITH TRIGONOMETRY 2019-2020



MRS. D. BYRD

ROOM 226B      EMAIL: byrd.debra@lee.k12.al.us      PLANNING: 2nd Block  
WEBPAGE: [HTTPS://WWW.LEE.K12.AL.US/DOMAIN/997](https://www.lee.k12.al.us/domain/997)  
REMINDE: TEXT @\_\_\_\_\_ TO 81010 TO SIGNUP      GOOGLE CLASSROOM CODE: \_\_\_\_\_

## DEAR PARENTS AND GUARDIANS,

Your student has selected to take Honors Algebra 2 with Trigonometry to help better prepare them to take one or more of the following courses: Pre-Calculus, Advanced Placement (AP) Calculus, AP Statistics. Below you will find valuable information about student policies and procedures for this class. Please read carefully and complete the required information at the end. Please sign up for the class Remind through phone or email. I will be sure to contact you with useful information as we move through the year. Feel free to contact me with any questions or concerns you have. I would like to encourage you to check your child's grade in this class using STI Home. This will be updated at least once per week. Contact the front office to get your child's ID and password. You can also follow SSSH on Facebook and/or Twitter in order to receive important information.

**I look forward to working with your student this year!!!**

Mathematically yours,

Debra Byrd

## COURSE DESCRIPTION

This course is designed to prepare students to be successful in either AP Calculus or AP Statistics. This course is different from regular Algebra 2 and you can expect a greater depth to the topics covered. In return, you will be better prepared with the problem solving skills to be successful for AP math courses, do well on the AP test which could earn you college credit. I will assume you have a complete understanding of Algebra 1 and Geometry as we will rely heavily on these skills to complete our problems. If you do not, then you may either *see me for help* outside of class time or try to learn it yourself. This course includes expanded coverage of Trigonometry and other topics in addition to the topics included in Algebra 2 (Polynomials and Rational Expressions, Quadratics, Conic Sections, Radicals, Complex Numbers, Exponents and Logarithms, Matrices, Series, and Probability and Statistics). You will also have many opportunities to see how mathematics relates and applies to other areas. All of these skills are increasingly necessary in our modern mathematical world, but are also timelessly valuable in understanding what the scientist Galileo called "this grand book the universe, which stands continually open to our gaze ... it is written in the language of mathematics." Student presentations of work will be required regularly. There are no limits to the type of work you will be completing and I will be expecting a high-quality effort from you. Anything less will not be acceptable. The information in this letter will help you better understand what is expected of you.

## EXPECTATIONS AND REQUIREMENTS **P<sup>4</sup>**

1. **Be Prepared.** Bring all necessary materials with you at all times. This includes textbook, notebooks, pencils, calculator, brain, etc.
2. **Be Punctual.** Be in your seat – ready to work the opening activity when the tardy bell rings. Please sharpen pencil and use the restroom prior to the beginning of class.
3. **Be Productive.** Your effort makes the difference! You will be expected to be on task at all times. Please do not talk during classroom instruction, quizzes, tests, or other specified times.
4. **Be Polite.** It is very important that this classroom has a comfortable learning environment so that you and your classmates may learn. I expect all rules of Smiths Station High School to be followed. To ensure a positive atmosphere, courtesy will be expected.

### SMITHS STATION HIGH SCHOOL

- 4228 Lee Road 430 Smiths Station, AL 36877
- Office: 334-664-4060
- Fax: 334-298-1304
- *If at any time you would like a conference with me or just need to speak with me, please do not hesitate to call or email.*

**Remind is the fastest way to contact me and the easiest method for me to respond to, so please use this method if you have it available.**

### SUPPLY LIST:

PENCILS

LOOSE-LEAF PAPER

3 RING BINDER

GRAPH PAPER

4 DIVIDERS (RECOMMENDED)

COLOR PENCILS (RECOMMENDED)

RECOMMENDED  
CALCULATOR:

TEXAS INSTRUMENTS  
TI30X IIS SCIENTIFIC

OR, IF AFTER THIS COURSE  
YOU INTEND TO TAKE  
PRECALCULUS OR AN AP MATH  
COURSE, TI 84 OR TI-NSPIRE

Teacher Wish List:

1 ream of white or color paper  
Kleenex, Hand Sanitizer

Grades will be compiled using the category points method utilizing the weights below. There will be a comprehensive mid-term before Winter break and a comprehensive final exam at the end of the year, each will count as 10% of your final average for each semester. I will follow guidelines set by Smiths Station High School and Lee County Schools when administering exams and determining exemptions.

- On all assignments, students should **show all of their work**. Students may not receive full credit if the accompanying work is incomplete or incorrect.
- Students are expected to take notes during class. These notes should be kept in their notebook followed by the corresponding homework assignment(s).
- Homework will be assigned daily. Homework is a check of effort. You will receive zero points if you make no effort or do not show all work.
- All assignments must be labeled with the assignment as the header and the problems numbered.
- **Late assignments are not accepted.**
- **There will be no individual retests or test corrections.**
- **Students will earn a zero on any assignment where cheating is suspected** (e.g., talking with, requesting, or taking any information from another student or outside source for use on an individual assessment).
- Final course averages will be weighted at the end of each semester to reflect the increased rigor in this class.
- Grades are updated daily and can be seen on STI Home. STI Home login information is available in the front office.

CLASSWORK/HOMEWORK 25%
TESTS/QUIZZES 75%

## EXTRA HELP

If at any time you are confused about the material presented, **ask for help immediately**.

**Hesitation on your part can mean disaster.**

There will be a study session held everyday between 8:10 am and the first bell in Mrs. Byrd's class room for any student. I will try to post an announcement on the weekly objective board if I will not be available during the morning study session. Other tutoring times are available by appointment.

The Math Department will put together a list of pre-approved student math tutors who volunteer their time for those that need it. The list will be posted near the classroom door. It is up to you to contact them for help.

- ◆ **Assignments, notes, and study tips are posted on Mrs. Byrd's Google Classroom page.**
- ◆ **Signup for Remind and Google Classroom for homework, test, and quiz reminders, as well as some help on homework questions. Students will be required to submit a variety of assignments by 8:40AM on the due date through Google Classroom.**

## MAKE UP WORK

Your presence in class is crucial. Please remember that learning and improvement is much more difficult if you are not in class. Please do everything possible to be with us every day!

Make up work, which includes tests, will be administered to students with an excused absence. The student should be prepared to take any missed tests and turn in any assignments on the day that he/she returns to school unless it has been an extended illness and then the student will have up to one week to make-up the work. You are also responsible for the class work you miss while taking the test late.

It is the student's responsibility to turn in all assignments and take any missed tests or quizzes within the designated length of time. Do not leave the classroom the day you return without your make-up work arranged. All make up work must be completed prior to the end of a grading period.

## CONSEQUENCES

I expect students to follow my directions, follow the rules in the student handbook, and to be prompt, prepared, productive, and polite. If a student chooses to break a rule:

First Offense - Verbal Warning / "The Look"

Second Offense - Remain after class for conference

Third Offense - Detention

Fourth Offense - Contact Parent/Guardian

Fifth Offense – Office Referral

Severe Disruption - Immediate referral to the office

(Not attending a detention results in an office referral.)

WHEN STUDENTS HAVE A COMPLAINT OR DIFFERENCE OF OPINION ABOUT ASSIGNMENTS, DISCIPLINE POLICIES, GRADES, ETC., THEY SHOULD EXPRESS THEIR FEELINGS TO THE TEACHER PRIVATELY AND CALMLY AFTER CLASS.
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## CLASSROOM PROCEDURES

These procedures are designed to help our class run smoothly and efficiently. You have a lot of information to learn and we need to make every minute of our time together count. We always need to be on task.

1. Before class – make sure you have all necessary materials **before** you come in the room. Submit all assignments by 8:40AM on due date through Google Classroom.
2. Entering class – come in the class **quietly** and orderly. Do not linger outside the doorway.
3. Upon entering – Place your cellphone in the charging station and other belongings on or under your desk – **keep the aisles clear**. Only supplies for this class are allowed on your desk. Begin the warm up.
4. Always head your papers with your first and last name, period, date, and what the specific assignment is (include course name and unit).
5. After warm ups – When you finish your warm up, review the previous day's lesson. The warm ups will be turned in at my request in the appropriate manner (digital or paper).
6. Review time – I will take questions from the previous lesson. **Raise your hand to ask any questions and wait to be called upon. Do not interrupt another student or the teacher.** Ask questions wisely because our time is limited and I will only take 15-20 minutes for review.
7. New lesson – We will begin our new lesson promptly at the end of our review time. Always copy down the date, lesson name, and objectives before your notes. Write down anything that I may **write** or anything you hear me **say** that seems significant. Some days we will have special activities to assist in our learning. Please pay attention to all directions.
8. Individual work time – During our lesson you will be given an opportunity to practice your new skills. This time is crucial to your learning. All persons should attempt to work the new problems and should be quiet – this is **individual** work time.
9. Partner work time – During our lesson, you may be given an opportunity to discuss your answers with a partner. You must **whisper** and **stop** when time is up.
10. Daily Assignment – You will be given an assignment **daily**. If time permits, at the conclusion of the lesson, you will receive your assignment and you will begin it **immediately**. **If you finish your assignment prior to the end of class, you should review the day's lesson, or study new vocabulary; talking is not one of your choices.**
11. Exit Slip – Occasionally, you will answer a few short questions on a slip of paper before leaving. They are designed to help you process new concepts, reflect on information learned, and express your thoughts about new information.
12. Before the end of class – please clean your area and make sure all trash is thrown away when you leave.
13. Dismissal – The bell does not dismiss the class, I do. When all trash is off the floor and all materials are returned, I will dismiss the class and you will leave quietly and orderly.
14. When I raise my hand at any point during class, students should be quiet. This is especially important when we transition from small groups back to the whole group.

## BUT WHAT IF...

1. I need to go to the restroom/locker/office... **Do not interrupt the lesson**, but privately, when students are working, discuss your emergency with me. I will determine the best solution to your problem at that time. You may not leave class during lectures and the first 15 minutes or the last 15 minutes. You have three passes per quarter – use them wisely.
2. I have a question... All questions are welcome at the appropriate time. Raise your hand and wait quietly for me to respond to you.
3. I need to sharpen my pencil... Raise your hand and wait quietly for me to allow you to go to the pencil sharpener. **Do not interrupt the lesson**. It would be wise to have more than one pencil ready at the **beginning** of class.
4. I need to throw something away... Place it on your desk or under your desk and either I will come by and pick it up or you may throw it away when I dismiss class. **Do not interrupt the lesson**.
5. I get sick... In the unlikely event that this happens, you may excuse yourself.
6. I was out yesterday... **Makeup work is your responsibility**.
  - Tests are only made up after school. Failure to complete make up work within the allotted time will result in a zero for each assignment.
  - Class notes should be copied from a fellow classmate.
  - Warm ups – Write **absent** on the day of the week out then **copy** the problems from another student.
7. I get in trouble... I will either ask you to remain seated at the end of class or ask you to step outside in the hall for a brief conference. Your attitude during our conference will determine your fate.

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## SPECIAL ACTIVITIES...

1. Quiet Time – During an activity, **when I raise my hand**, it is time for all mouths to be **closed** and all eyes on me.
2. Group activities – I will form groups without any arguments. Follow my directions.
3. Class presentations – When you or someone else is presenting a problem to the class, you must be calm, clear, serious, respectful, and at the conclusion, you should be complimentary. Negative behavior will not be tolerated.
4. On test days, there will be no warm-ups, but sometimes a brief Q & A review. When tests are finished you will work on the next assignment. There will be no talking, moving, walking, or other activities occurring that may distract any student taking the test.
5. Tests and quizzes are **timed** to help you prepare for future classes and high-stakes testing. Extra PRACTICE is the key to helping you prepare.
6. Some days I will allow you to use your electronic device but you must stay on task or face disciplinary actions. We may also use other technology which you will be assigned and responsible for during class. Listen carefully to my instructions when using this technology.

I hope this covers the majority of the questions you may have about this class.

I am looking forward to a very productive year.



## Honors Student Understanding of Commitment

1. I understand that participation in an Honors class requires me to
  - Demonstrate increased student independence
  - Take on a high degree of responsibility
  - Meet higher standards than students in standard and college preparatory courses

**(Note: Honors courses may require extra home assignments nightly.)**
2. I understand that class grades will be weighted at the end of the year to reflect the increased rigor in the class.
3. I understand that by enrolling in an Honors course I am preparing to take the corresponding Honors or Advanced Placement course in the future. This class is vertically aligned to prepare me for the future tests in order to enhance my chances to succeed when I do take AP tests.
4. I agree to uphold the school's honor code. I understand that I will receive a zero on any assignment if I plagiarize, cheat, or submit work that I did not personally complete for this class; this can drastically affect my grade in the class.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
2<sup>nd</sup> Parent/Guardian Signature (Optional)

\_\_\_\_\_  
Date



# Sign up for important updates from Mrs. D. Byrd.

Get information for **Black 3: Honors Algebra 2 with Trigonometry** right on your phone—not on handouts.

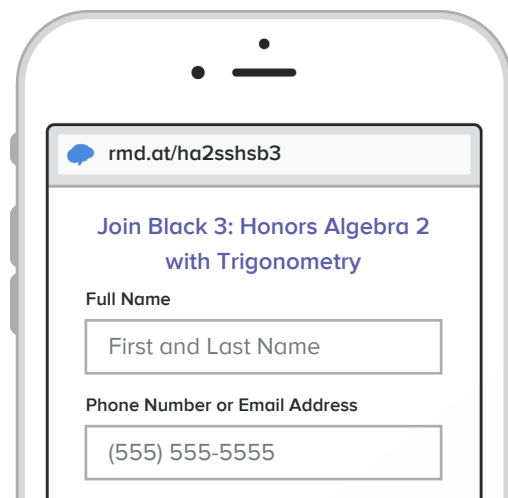
Pick a way to receive messages for **Black 3: Honors Algebra 2 with Trigonometry**:

**A** If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

[rmd.at/ha2sshsb3](https://rmd.at/ha2sshsb3)

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



**B** If you don't have a smartphone, get text notifications.

Text the message [@ha2sshsb3](#) to the number **81010**.

If you're having trouble with **81010**, try texting [@ha2sshsb3](#) to **(205) 490-7305**.

*\* Standard text message rates apply.*



Don't have a mobile phone? Go to [rmd.at/ha2sshsb3](https://rmd.at/ha2sshsb3) on a desktop computer to sign up for email notifications.



# Sign up for important updates from Mrs. D. Byrd.

Get information for **Silver 1: Honors Algebra 2 with Trigonometry** right on your phone—not on handouts.

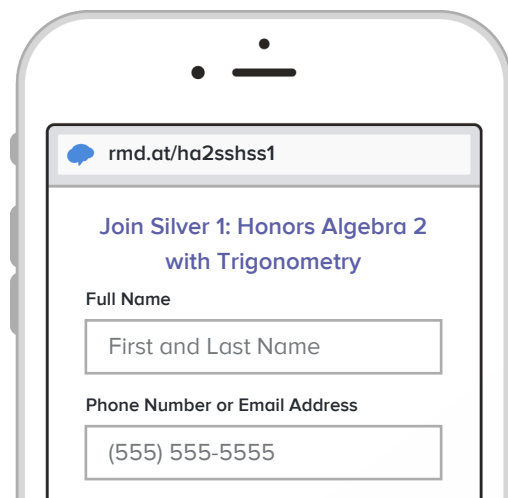
Pick a way to receive messages for **Silver 1: Honors Algebra 2 with Trigonometry**:

**A** If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

[rmd.at/ha2sshss1](https://rmd.at/ha2sshss1)

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



**B** If you don't have a smartphone, get text notifications.

Text the message [@ha2sshss1](https://t.me/ha2sshss1) to the number **81010**.

If you're having trouble with **81010**, try texting [@ha2sshss1](https://t.me/ha2sshss1) to **(205) 490-7305**.

*\* Standard text message rates apply.*



Don't have a mobile phone? Go to [rmd.at/ha2sshss1](https://rmd.at/ha2sshss1) on a desktop computer to sign up for email notifications.





# Sign up for important updates from Mrs. D. Byrd.

Get information for **Silver 4: Honors Algebra 2 with Trigonometry** right on your phone—not on handouts.

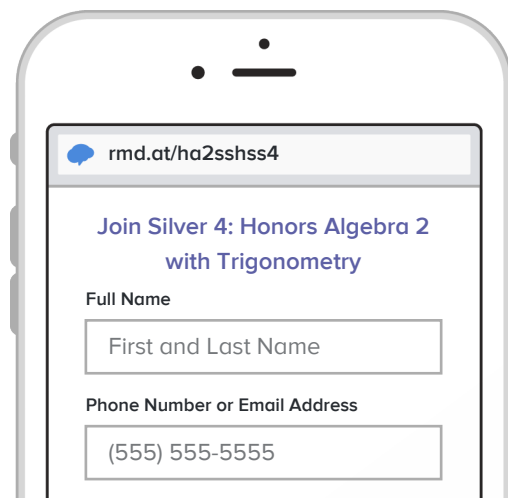
Pick a way to receive messages for **Silver 4: Honors Algebra 2 with Trigonometry**:

**A** If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

[rmd.at/ha2sshss4](https://rmd.at/ha2sshss4)

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



**B** If you don't have a smartphone, get text notifications.

Text the message [@ha2sshss4](https://t.me/ha2sshss4) to the number **81010**.

If you're having trouble with **81010**, try texting [@ha2sshss4](https://t.me/ha2sshss4) to **(205) 490-7305**.

*\* Standard text message rates apply.*



Don't have a mobile phone? Go to [rmd.at/ha2sshss4](https://rmd.at/ha2sshss4) on a desktop computer to sign up for email notifications.