

# FUNCTIONS, STATISTICS, AND TRIGONOMETRY

Instructor: Mr. Shawn Moore

Room: 123

Email (preferred): [smoore@wcskids.net](mailto:smoore@wcskids.net)

Phone: 586-574-3171 x20123

Website: [mooremathscience.weebly.com](http://mooremathscience.weebly.com)

Course Information: This is the second in a four year sequence of intensive mathematics courses that covers the following topics of study:

- Unit 1: Functions and Models
- Unit 2: Transformations of Graphs and Data
- Unit 3: Trigonometric Functions
- Unit 4: Applications of Trigonometry
- Unit 5: Polynomials and Rational Functions
- Unit 6: Roots, Powers, and Logarithms
- Unit 7: Counting, Probability, and Inference
- Unit 8: Sequences and Series
- Unit 9: Further work in FST

The purpose of this class is to provide an application-based and conceptually relevant mathematics experience that will better prepare students for collegiate-level and career-applicable mathematics experiences.

Necessary Supplies:

1. Pencil (Work will not be accepted in pen).
2. Checking Pens (Red, Green, Orange, etc.)
3. Colored Pencils (I have group sets, but you might want your own).
4. 2"-3" Binder with 5 Divider Tabs
5. Graph Paper Composition Book (They have them at Staples, Office Max, etc.)
6. TI n-Spire Calculator

Students will need to bring these supplies to class on a daily basis, along with any homework assigned the previous night. They should also bring their textbooks and agendas to class daily. Be sure to check the board to make sure you have everything you need for the day!

Behavior Expectations: Students are expected to be in their assigned seat when the bell rings. Students are held accountable for their actions, and should come to class ready to participate actively and give their best effort each day. Students are expected to be respectful to the teacher and to each other. This includes avoiding unnecessary disruptions that affect the learning environment of other students. The same expectations apply for me as well. You should feel respected, safe, and a part of an environment that will help you be successful. I am your biggest "cheerleader"- if you need me to help you in any way to be successful in this class, please don't hesitate to ask! Additionally, ALL Warren Consolidated Schools and MMSTC rules and policies apply!

Grading: Grades will be based on homework, projects, activities, and assessments. Student grades will be weighted according to the following criteria: 75% Assessments (Quizzes, Tests, Mini-Quizzes,

Performance Tasks), 15% Activities (Investigation/Inquiry Activities, Mini-Projects, Labs, etc.), and 10% Assignments (Daily Homework/Practice)

**Binders:** Students are required to maintain a 2-3 inch binder with all of the important materials for this class. Students will be told what items need to be put into their binder, and an order list will be posted in the room, and passed out before the binder check for each unit. Each binder should have 5 divider tabs labeled: Resources, Bellringers, Notes, Assessments, and Other. Each unit will include a binder check.

**Assignments:** While we make every effort to give time in class to work on assignments, you may not always finish. Work that is not finished in class becomes homework (even some Fridays!), and it will be graded and collected the day after it is assigned, unless otherwise announced. At times, homework will be graded for completion. If this is the case, students will receive 3 points for completing the assignment, with all work shown, and 2 points for correcting incorrect problems. Other times, homework will be graded for accuracy. **ALL WORK MUST BE SHOWN FOR FULL CREDIT.** It is important that you seek help if you do poorly on a worksheet or assignment, as topics often build. Don't wait until it is too late!

**Late/Absent Homework Policy:** If you are absent, please make sure to check the absent folders or the website for your missed work. You will have one day for every day that you are absent to turn your work in to me on time. For instance, if you are absent on Monday and Tuesday, you have Wednesday and Thursday to make up the work, meaning that the assignments are due on Friday. Late homework will be accepted up to 3 days late for a deduction of 15% for each day late.

**Mini-Quizzes:** Mini-Quizzes are a regular occurrence in this class, and can be expected once we complete a section or two of material. These are typically worth 10-15 points, and are meant for you to see what topics you understand, and where you may need extra help.

**Projects/Performance Tasks:** Each of the major units will include a larger assignment, project, or performance task that requires students to **APPLY** the concepts that we have covered in class in a real-world/practical application setting. Although this is done regularly in this course, these projects will require you to take your knowledge a step further. These are graded for accuracy, and are scored as a test grade.

**Tests:** Each unit has a test that covers all material covered in that unit. These tests will be announced at least one week in advance. Tests are worth 100 points. Extra help opportunities will be announced when each test is announced. A topics list will be distributed prior to the test in order to aid with studying.

**Test Corrections Policy:** Students may complete test questions after a test for point back per point missed, for a score **NOT TO EXCEED 70%**. Test corrections must be done by: fixing the incorrect problem and identifying the mistake made originally. Students will only be eligible for test corrections if they have all homework for the unit turned in. Test Corrections are **ONLY** available on **TESTS**.

**Studying for Math:** As a math teacher, one of the most common excuses that students give for not studying for a math test is that "there isn't a way to study". The best way to study for a math test is to continue doing additional practice problems, and asking for help when you get stuck. There are many great resources available for additional study materials.

(THIS PAGE GETS RETURNED. THE REST OF THE SYLLABUS GOES IN YOUR BINDER!)

Please discuss the information and procedures for MMSTC Functions, Statistics, and Trigonometry (FST) with your child. I encourage you to contact me with any questions or concerns regarding this class at [smoore@wcskids.net](mailto:smoore@wcskids.net) You can also check the daily agenda and class news at [mooremathscience.weebly.com](http://mooremathscience.weebly.com)

Please sign below indicating that you have read and understand the procedures and expectations for this class. I look forward to working with you and your child for a rewarding and educational class.

Section \_\_\_\_\_

Student's Name (Please Print) \_\_\_\_\_

Student's Signature \_\_\_\_\_

Parent's Name (Please Print) \_\_\_\_\_

Parent's Signature \_\_\_\_\_

Parent E-Mail \_\_\_\_\_