

## **FUNctions/Stats/Trig Syllabus**

4<sup>th</sup> Period

2018 – 2019

### **Contact Info:**

Mr. Jim Rademaker – Room 303

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Phone: 216-429-5791

Planning Periods: 8<sup>th</sup> and 9<sup>th</sup>

Website: [www.rademakermath.com](http://www.rademakermath.com)

Twitter: @MrRademaker

**Class Description:** This class is designed to review and build on algebraic and geometric concepts. The course will emphasize mastery of key mathematical skills and concepts as preparation for success on the ACT/SAT, entry level college courses, and for future math courses. Calculator and computer skills will be taught and used when appropriate to further enhance instruction.

**Topics:** Topics covered will include, but not limited to, the following:

1. Problem Solving
2. Sets
3. Logic
4. Spreadsheet Math
5. Numeration Systems
6. Real Number Systems
7. Topics in Algebra
8. Consumer Mathematics
9. Measurement
10. Geometry
11. Trigonometry
12. Applications of Trigonometry
13. Probability and Counting Techniques
14. Data Collection, Organization, and Analysis
15. Statistics

**Expectations:** Students are expected to try their best, follow instructions, be prepared and on time, and treat their peers with respect. Class may begin with a daily warm-up. Students are expected to take their seats and work on the warm-up on their own. Students should make sure to read the school handbook for school policies. No phones or other electronics are permitted during class.

**Supplies:** Each student will need to bring the following to class

- 3-ring binder with the following tabbed divider sections:
  - Warm-ups
  - Notes
  - Homework
  - Tests/Quizzes
  - Projects
- Loose-leaf notebook paper or spiral notebook for math only
- Graph Paper
- Pencils WITH erasers
- Calculator (TI-83/TI-84 graphing recommended or other scientific calculator)

There is not a textbook for this course. I use materials from a consumer math book, a college algebra book, and a statistics book, among others. Without a text for students, much of the assignments will be on worksheets, so it is important to have a binder or folder for this course and to take the notes that are presented.

**Assistance:** I am available during my plan periods (8<sup>th</sup> and 9<sup>th</sup>), as well before and after school to assist students with any work or problems. If possible, please let me know ahead of time if you plan on stopping by. If you are having trouble, please come and see me.

**Assessments:** A variety of assignments will be graded throughout the year, including the following (points are approximated):

- Tests (40 – 70 points)
- Quizzes (Pop and Planned) (5 – 20 points)
- Homework (3 – 20 points)
- Group work and Projects (15 – 40 points)
- Participation (1 point each day)

Participation: Each student will be awarded up to 1 points of participation each day. If the student shows up on time, participates, and doesn't disrupt class, they will get the point. Tardiness, being off task, non-participation, unprepared, and disruptions will result in 0.5 or 0 points. Participation will likely be awarded at the end of each week or all at once at the end of the quarter.

**Extra Credit:**

I do not typically give extra credit assignments. Though, students can earn extra credit points throughout class periods. For example, if a student finds a mistake during notes or homework check, they will earn an extra point.

**Homework:** Homework will be assigned on almost a nightly basis and reviewed in the following class. Students will often be given time at the end of the lesson to start the work. Every worksheet handed out will be collected, though not all will count as grades. Students are expected to complete each assignment and be prepared to ask questions or discuss problems. Homework provides an opportunity to practice and assess understanding of the lessons covered in class. Homework problems will often reappear on quizzes and tests. Students have until the end of the current week or until the next quiz or test (whichever comes first) to turn in a late or missing assignment. Anything turned in after that will get a 0.

**Make-up Work:** Students with excused absences will be allowed however many days they missed to make up an assignment. If you miss a day that an assignment is due or a test/quiz day, you will be expected to turn in the assignment or make-up the test/quiz the day you return or at a later scheduled date. It is the student's responsibility to check for missed work with the teacher.

**Resources:** Grades will be available for students and parents on Progress Book. I try to update PB as much as I can. All grades will be entered no later than 1 week after the turn in date. Notes, worksheets, and additional resources may be available on the class website ([www.rademakermath.com](http://www.rademakermath.com)). Students also have the option to follow my twitter @MrRademaker, which will send reminders about upcoming assignments.

**Grading:** Your quarter grade will be determined based on the percentage of the total points you have earned during the quarter. Grades are not weighted. We will use the high school grading scale.

A 95-100%	B+ 89-91%	C+ 79-81%	D+ 69-71%	F <61%
A- 92-94%	B 85-88%	C 75-78%	D 65-68%	
	B- 82-84%	C- 72-74%	D- 62-64%	

**Final Grade:** Final grades will be determined by taking an average of each quarter's percent and the percent earned on the mid-term and final. Each quarter grades will account for 20% and the mid-term and finals will be 10% each.

**Signature section and contract:** You must return this page of the document to me within two days. This is your first homework assignment.

By signing and returning this page to me, you are saying that you have read this document and fully understand the materials in it.

**Parent/Guardians:**

I, \_\_\_\_\_ (please print), the parent/guardian of

\_\_\_\_\_ (please print student name) have read this entire document thoroughly with my student.

Parent/Guardian signature: \_\_\_\_\_

Parent/Guardian phone: \_\_\_\_\_

Parent/Guardian email: \_\_\_\_\_

**Students:**

I, \_\_\_\_\_ (please print), have read the document and promise to:

- 1) Complete and turn in all of my homework on time
- 2) Participate in class and ask questions when needed
- 3) Put in an honest effort outside of school

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

**Questions/Concerns?**

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