

## Dorchester County Public Schools Mathematics Syllabus



TEACHER'S NAME: MRS. THOMAS

ROOM NUMBER: A-2

CLASS PERIOD: ALGEBRA 2

PHONE NUMBER: 410-943-4511`

EMAIL: THOMASSO@DCPSMD.ORG

CLASS LENGTH: 55min

### Course Description:

Building on their work with linear, quadratic, and exponential functions in Algebra I Common Core, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students who are enrolled in Algebra II Common Core will take the Algebra II Common Core PARCC assessment. Passing the Algebra II PARCC assessment is not a graduation requirement but is a requirement for meeting the college and career readiness standard for mathematics. **All students enrolled in a math class are charged a \$5.00 fee. This fee is used to purchase batteries and replacement calculators as needed. If you are enrolled in more than one math class, you only pay the fee once. This fee is to be paid by September 15<sup>th</sup>. After that date, if you have not paid the \$5.00, this will become an obligation.**

### Necessities to be successful in the class

- Binder of any size
- 2 pocket folder
- \* Composition or spiral notebook
- \* Pencils, Pencils, Pencils

### Units of Study:

- Unit 1: Quadratic Relations and Functions
- Unit 2: Polynomials
- Unit 3: Rational Functions and Equations
- Unit 4: Radical Functions and Equations
- Unit 5: Exponential and Logarithms
- Unit 6: Trigonometry

### Grading Policy:

All grading will be according to the county policy percent scale:

|             |               |            |
|-------------|---------------|------------|
| 90-100% = A | 80-89% = B    | 70-79% = C |
| 60-69% = D  | Below 60% = E |            |

Formative assessments, or assessments that are embedded as part of daily instruction, account for 30% of a student's grade. Examples of formative assessments include homework, class work, group work, exploratory labs, exit tickets, and draft essays. Summative assessments account for 70% of a student's grade. A summative assessment occurs after instruction has been completed on a given topic, standard, or unit. Summative assessments are used to determine what students know, understand and are able to do at one point in time. Examples of summative assessments include unit tests, announced quizzes, major projects, essays, tests, lab projects, and final exams.

### MRS. T's 5 BE's

1. You are expected to **BE RESPECTFUL**
  - Show respect for the teacher, yourself and others at all times. Respect others' property.
  - Avoid touching or writing on anything that does not belong to you (including desks, textbooks, teacher's belongings, walls, chalkboard, etc.)
  - Don't expect that others will clean-up your messes. Please pick-up after yourself.
2. You are expected to **BE ON-TIME**
  - When the bell rings, you need to be IN CLASS and PREPARED. What Happens if you are late???? You should immediately begin on the warm up activity Be "physically" and "mentally" present in the classroom
3. You are expected to **BE PREPARED and READY TO LEARN.**
  - Come prepared with all materials necessary:
4. You are expected to **BE RESPONSIBLE.**
  - If you are confronted about a rule infraction, own up to it.
  - Don't deny it, lie about it, or blame someone else.
  - Take responsibility for missed assignments. \*\*\*\*\*All handbook rules will be enforced. Please read your handbook.
5. You are expected to **BE POSITIVE**
  - EVERYTHING WILL BE OKAY. MRS. THOMAS IS NOT PERFECT AND SHE IS NOT LOOKING FOR YOU TO BE PERFECT. JUST BE POSITIVE.

### Cell Phones

- You will be allowed to use their cell phone only at designated times during class for educational uses only. A sign will indicate when it will be appropriate to use cell phones for educational purposes. If you're using your cell phone in an inappropriate manner (ie texting, calls, social media), Mrs. Thomas will respond accordingly
  - First offense: Warning – phone needs to become out of sight and out of mind
  - Second offense: Charger – phone is placed in the charging station for the duration of the class
  - Third offense: Confiscation – phone is confiscated by Mrs. Thomas and will be given back at a time deemed appropriate by Mrs. Thomas
  - Fourth offense: Phone to Office – phone is confiscated by Mrs. Thomas and will be taken to the office and a parent will be required to retrieve your phone
- If you need to charge your phone OR your phone has been placed in the charging station for other reasons, it is to remain in the charging station for the duration of the class. If you need to charge, placement in the charging station occurs prior to class starting.
- Mrs. Thomas is not responsible if your phone becomes misplaced during school hours. Individuals assume full responsibility for their person electronic devices as well as their Board-assigned devices. DCPS is not responsible for the loss of, or damage to, student or staff-own personal electronic devices (per DCPS calendar).

### Mrs. Thomas Non-Negotiables

1. NO FIGHTING- Will be the schools decision on further disciplinary measures
2. NO STEALING- Will result in a referral. DO NOT touch things that are not yours
3. NO CURSING- SWEARING is NOT PERMITTED. Will result in write ups

**Student Mission Pledge:**

**I will finish my program of study and become college and career ready!**

**MUST BE SIGNED BY STUDENTS AND PARENTS**

**I, agree to follow the rules and procedures set forth in this math syllabus. I will come to class prepared. I will try my very best to pay attention, participate in class discussions, and finish my homework on time. I agree to study for my tests and put forth my full effort in taking quizzes and exams. If I don't understand something, I will seek help early.**

**Date** \_\_\_\_\_

**Print Student Name** \_\_\_\_\_

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

**Email** \_\_\_\_\_

**Phone Number** \_\_\_\_\_