

2022-2023  
syllabus

# Welcome to NC Math 2



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## COURSE DESCRIPTION & YEARLY OVERVIEW

NC Math 2 builds upon multiple concepts learned and reinforced in NC Math 1. Students will add to their knowledge base of linear functions and extend to how quadratic functions behave. A thorough comparison of linear and quadratic function behavior will serve as the basis for introducing polynomial, rational, radical, and trigonometric functions. Modeling real-world data with all of these functions will help students understand how different function types model certain patterns. Systems of equations and inequalities with their various function types will help students grasp the idea of real-world limitations. Coordinate-plane transformations of major geometric shapes will lead to an in-depth study of triangle properties, which sets the stage for an introduction to trigonometric ratios and their associated functions. Finally, students will study probability and extend to more rigorous considerations of conditional probability.

### Textbook:

We will be utilizing Open Up as our math curriculum which is designed to provide students with a very engaging, vigorous, and hands-on learning experience. Additionally, the curriculum provides a student-centered approach to instruction. Through exploration, critical thinking and collaboration students are expected to play a greater role acquiring new concepts as the teacher serves as a facilitator.

### Units of Study:

- Module 1:** Transformations and Symmetry
- Module 2:** Congruence, Construction and Proof
- Module 3:** Geometric Figures
- Module 4:** Similarity and Right Triangle Trigonometry
- Module 5:** Quadratic Functions
- Module 6:** Quadratic Equations
- Module 7:** Variation and Square Root Functions
- Module 8:** Modeling Data

**Communication:** Outside of questions during the scheduled class period, students may utilize the Canvas message system to contact Mrs. Eikenberg as well as my email address above. We will also be using *Remind 101* as another form of communication this year. Please refer to Canvas or the document distributed in class to join Remind.

# LATE WORK

It is your responsibility to keep up with assignments and due dates. Please notify me as soon as possible about any issues that may hinder you from turning in assignments on time such as technical issues, family emergencies, etc.

The school wide late assignment policy states...

- 1 day late: 10 % deducted
- 2 or more days late: 30 % deducted
- Work is not accepted after one week late (unless otherwise communicated by Mrs. Eikenberg)

This applies to classwork and homework. The assignments must be completed fully (with work shown) for credit! Mrs. Eikenberg will communicate the point deductions for larger assignments when they are assigned.

## EXPECTATIONS

- Be respectful and responsible.
- Be on time and prepared with ALL supplies and work needed for class (Open Up Workbook, binder, etc).
- Be organized and follow directions (start warm-up, be engaged during lesson, follow voice expectations, etc).
- Students must SHOW ALL WORK to receive full credit.
- No chewing gum at all allowed in class!

**Bathroom Needs:** The best time to ask for permission to use the restroom is during small group or independent work time. Please refrain from requests during instruction unless it's an emergency!

**Phone Policy:** Phones must remain in lockers during the school day unless a teacher requires them for a lesson.

### Consequence Hierarchy:

- 1<sup>st</sup>: Warning
- 2<sup>nd</sup>: Parent Contact
- 3<sup>rd</sup>: Office Referral

\*Consequence may change based on teacher discretion!

# ASSESSMENTS & GRADES

Mastery of course skills is very important and the gradebook will be reflective with assessments (Quizzes, Tests, and Projects) counting as 70% of the final grade and practice work (classwork, homework, participation) counting as 30% of the students final grade.

## Practice

**Daily Work:** Daily work will be the general assignments completed throughout each module. This will include "Problem of the Days" and "My favorite No", which act as warm-ups in my classroom. This will also include guided notes and any individual, partner, or small group activities. Guided notes pages will be posted to our classroom Canvas page.

**Participation:** The Open Up curriculum is centered around exploring, critical thinking, and collaborating with peers. Student effort and participation is key to success in class. Students will receive participation grades on a regular basis. Students will lose points for being off task, lack of effort, tardiness and being unprepared for class. Students should come to class with all necessary materials (i.e. workbooks, laptop, INB, etc.)

**Homework:** Homework assignments will be given often. Assignments should be completed fully and submitted (digitally if applicable) by the start of class time in the day it is due. Homework will be graded on a scale of 0-10. The only way you receive a 10 on homework is to complete work shown on every problem!

**10 pts = every problem attempted with intelligent work shown**

**7.5 pts = more than half, but not all problems attempted with intelligent work shown**

**5 pts = exactly half of the problems attempted with intelligent work shown**

**0 pts = less than half, or not submitted on time**

## Assessments

**Quizzes:** Quizzes will be given several times during each module and will cover current skills being learned. Quizzes will account for 30% of the students overall grade.

**Tests:** Tests will be given at the end of each module and will be cumulative to include both current skills as well as previously learned skills. Tests will account for 40% of the students overall grade. Tests dates will be announced well in advance and study guides will be available for students to help prepare prior to a test. Students will have an opportunity to complete test corrections to improve low scores on tests.

**Projects:** Projects will be given several times throughout the school year and will count as either a quiz or test grade. There will be some class time for project work but most work will be completed outside of class time. Project instructions will be posted on our class page on Canvas.

**Retakes/Test Correction:** Students will receive opportunities to complete retakes (Quizzes) and test corrections (tests) to improve low scores. More instructions will be provided on Canvas and in class.

### GCS Grading Scale:

A = 90 - 100  
B = 80 - 89  
C = 70 - 79  
D = 60 - 69  
F = Below 60

### Evaluation of Performance:

<b>Practice</b>	<b>30%</b>
Classwork/Participation	20%
Homework	10%
<b>Assessments</b>	<b>70%</b>
Quizzes	30%
Tests	40%

## ELECTRONIC DEVICES

All students will be assigned a Chromebook. Students will be expected to bring a fully charged Chromebook to class every day. Many assignments will be digital and students are expected to stay on task while using their device in class and should only be using their device during instructed times. We will be using Canvas and class assignments will be posted on our classroom canvas page. Students should check canvas daily to stay up-to-date.

Any student that is misusing the Chromebooks will lose this privilege and will have to complete alternative paper/pencil assignments in place of any electronic assignments.

## SUPPLIES

- ✓ 3-Ring binder
- ✓ #2 Pencils
- ✓ College ruled notebook paper
- ✓ 8 Dividers (for binder)
- ✓ Graph paper
- ✓ Pens/highlighters (for annotating work)
- ✓ TI-83/84 Calculator (recommended but some are available in classroom if needed)

## MISC.

**Attendance:** Students will get the most benefit from their classes if they check Canvas daily and regularly attend school. Attendance will be taken. If students miss a class, students should follow up with Mrs. Eikenberg when they return to getting missing work. Students are responsible for all work assigned related to the missed class.

**Tutoring:** Students are strongly encouraged to reach out to me at the first sign of struggle and I will do what I can to assist with extra help and resources. My hope is to offer extra help during AA at the end of the day but we are still working out scheduling logistics. More details about tutoring and extra help will be discussed soon.

This course syllabus is **subject to change** as determined by Mrs. Eikenberg. If changes are needed, an addendum to the syllabus will be provided to each student and implementation of changes will be set forth at the date that addendum is issued.