



Welcome to Math 2

Ms. Kristi Johnsen, Room 241
Northern Guilford High School

Course Overview 2023-24

NGHS Vision

Northern Guilford High School will equip and prepare all graduates with a career plan, apprenticeship, enlistment agreement, or acceptance letter to a post-secondary school.

NGHS Mission

Northern Guilford High School empowers lifelong learners who exhibit wisdom, hope, and integrity.

Welcome to the 2023-24 school year at Northern Guilford High School!

I am looking forward to working with each of you to ensure that you have a successful learning experience in Math 2. Please feel free to contact me with any questions or concerns.

Email: johnsek@gcsnc.com

School Phone: (336) 643-8449 (Room 241)

Webpage: Found on NGHS website

Canvas: Assignments, announcements and all other work pertaining to this course will be listed on the course Canvas page.

Notice: See Mathematics Department Protocol for additional information.

Course Description

Math 2 is the second math course towards NC graduation requirements. In Math 2, students study quadratic, square root and inverse variation functions. In the geometry units, students will study rigid motions, prove theorems about lines, angles and properties of triangles. **At the end of the course, students take the GCFE for Math 2 which is 20% of their final grade.**

Unit 1 – Transformations and Symmetry

Unit 2 – Congruence, Construction, and Proof

Unit 3 – Geometric Figures

Unit 4 – Dilation and Similarity

Unit 5 – Quadratic Functions and Transformation

Unit 6 – Solving Quadratic Equations

Unit 7 – Variation and Square Root Functions

Unit 8 – Probability

Grading Policy

Tests/Projects: 50%
Quizzes: 30%
Homework/Classwork: 20%

Grading Scale

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

Makeup Work Policy

Students will have 3 school days following their absence, to complete and turn in any missing assignments. After the 3 school days, if the assignment is not turned in, it becomes late work. **The ultimate responsibility for make-up work lies with the student.****

Late Work Policy

Students can turn in assignments up to 5 school days after the due date, with a 10-point penalty per day late. **NO WORK will be accepted after 5 school days.** All classwork is to be completed and turned in at the end of class, unless otherwise specified by the teacher.

Help Session

Tutoring for this course is available weekly during Flex Period. Any student with a grade of D or F in the course **must** attend this course's tutoring opportunity during the Flex Period. ****Teacher may also require student to attend for makeup or late work.**

Materials Required Daily

- Charged GCS Chromebook and charger
- OneCard
- [Graphing Calculator \(TI-84+ preferred\)](#)
- 1 ½" 3 Ring Binder
- 8 Tab Divider Pack
- Student Unit Workbooks (Will be given at the start of each unit.)

"It's not the will to win that matters – everyone has that. It's the will to prepare to win that matters."

Bear Bryant