Wheatmore High School

**Course Name: NC Math 2**

**Mr. Hall Room: G220 Spring 2017**

**Course Information**

The NC Math 2 course continues to formalize and extend students’ geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in earlier classes. For example, transformations are emphasized early in the course. Mathematical Practices apply throughout each course at the high school level and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. NC Math 2 demands a more challenging approach to the student’s study of geometric concepts. Students will rely primarily on deductive methods of proof in their study of two- and three-dimensional geometric figures. Students will have opportunities to take greater responsibility for their learning. Reasoning skills will be emphasized and students will broaden their use of the coordinate plane. Appropriate technology should be used regularly for instruction and assessment. Students enrolled should expect to proceed at a rigorous pace. This course is recommended for students who did very well in Math 1. Successful completion of NC Math 2 is required for graduation. NC Math 2 is generally required for college entrance and is the second course in the Future Ready mathematics pathway.

**I. Classroom Preparation**

* ***You will need the following items in class with you every day:***

|  |  |
| --- | --- |
| * One (1) 3-ring binder with **loose-leaf paper** | * Spiral notebook |
| * Pencils (Mathematicians don't use pens!) | * 1 Box of Kleenex (for the classroom) -OR- 1 Bottle of Hand Sanitizer |

**II. Classroom Rules & Procedures**

* **Follow the 5 P’s, please** 
  + BE PROMPT: Arrive to class on time and attend to necessary duties before class begins. Turn in assignments in a timely manner.
  + BE PREPARED: Always come to class with the items listed above. Have all materials ready to go at the start of class so that they will already be there when you need them.
  + BE PRODUCTIVE: We have a lot to do in not a lot of time (yes, 1.5 hours is short). It is important that we remain on task during the instructional period so that we can cover everything. I would be more than happy to talk about the big game or hear about your weekend in between classes. ☺
  + BE POLITE: The classroom should be a learning environment for everyone. Be *respectful* to your teacher and your peers. Only one person talks at a time, unless we are doing a group activity. Raise your hand before you speak. Remember the Golden Rule: “Treat others as you wish to be treated.”
  + BE POSITIVE: Always have a positive attitude

**III. Grading System**

* **Grades will be determined by:**

**Grading Scale**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Homework/  Classwork | 15% |  | **A** | **100-90** |
| Quizzes | 35% | **B** | **90-80** |
| Tests & Projects | 50% | **C** | **80-70** |
|  | | **D** | **70-60** |
| **F** | **60-Below** |

**Homework:** Homework is checked several times a week for completion. Grading procedures are described in the table below***. NOTE: All work must be shown in order to receive credit for that homework assignment.*** Solutions will be posted and questions discussed as a class after each assignment has been checked.

|  |  |
| --- | --- |
| 0 | No questions have been attempted or only answers are given and no work is shown. |
| 1 | Some questions have been attempted and work is shown. |
| 2 | Half of the assignment has been attempted and work is shown. |
| 3 | Most questions have been attempted and work is shown. |
| 4 | All questions have been attempted and all work is shown. |

**Quizzes:** Quizzes will be given approximately once a week to judge progress in obtaining the unit’s objectives.

**Tests/Projects:** A unit test will be given at the end of each unit. These tests will be **cumulative** meaning that material from previous units is still fair game. Students will take a cumulative final exam at the end of the course. Also, projects will be given on occasion during the semester and will count the same as a test.

**IV. Student Attendance**

* See Student Handbook.

**V. Office/Planning/After School Hours and Contact information**

I am available most mornings before school and will be stay late upon request for additional help. My after school availability will be posted weekly in the classroom. If you need any help please come and see me!

Email: [jhall@randolph.k12.nc.us](mailto:jhall@randolph.k12.nc.us)

Phone Number: 476-1500, Ext 7220

It’s a GREAT day to be a WARRIOR!!

Mr. Hall

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Please sign below stating that you have read these policies and procedures very carefully and understand the consequences if not properly followed. Return this portion to me along with the Student Information Sheet.

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Print Student Name Date Print Parent Name

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Student Signature Parent Signature