

Course Syllabus
Randleman High School

Course Title: North Carolina Math 1

Teacher: Craig Smith

Contact Information: (336) 937-0236

Email: csmith@randolph.k12.nc.us

Course Description: Math 1 builds on the student's study of functions from middle school. Students will continue the study of linear functions and expand to quadratic and exponential functions. Problem solving will be a major focus in the classroom, with the goal of improving reasoning skills.

Student Learning Objectives: Goals for this class are from the Common Core Math Standards

1. Number and Operations – The learner will extend the properties of exponents; reason quantitatively and use units to solve problems. **(4% of EOC)**
2. Algebra – The learner will interpret the structure of expressions; perform arithmetic operations on polynomials; create equations that describe numbers or relationships; reason with equations and inequalities. **(30%)**
3. Functions – The learner will interpret functions; build functions; construct and compare linear, quadratic, and exponential functions. **(38%)**
4. Geometry - The learner will use coordinates to prove simple geometric theorems algebraically; explain volume formulas and use them to solve problems. **(10%)**
5. Statistics and Probability - The learner will summarize, represent, and interpret data on a single count or measurement variable; interpret linear models. **(18%)**

Required Materials:

1. Spiral Notebook
2. Pencils or pens
3. Optional – Scissors and Glue Stick

Grading Policy:

Each Nine Weeks

Final Grade

Major Assignments – 60%

Minor Assignments – 40%

First Nine Weeks – 37.5%

Second Nine Weeks – 37.5%

End of Course Test – 25%

Homework

- Homework turned in **on time and complete** will be given a 100 (A).
 - **Definition of completed homework** – all problems attempted with all work shown as demonstrated in class. Refer to notes for step-by-step examples.
- Homework turned **in on time and not completed** will be given a 50 (F).
- Homework turned in **one day late and completed** will be given a 70 (C).
- Homework turned in **more than one day late and completed** will be given a 60 (D).
- Homework turned in **late and not completed** will not be accepted.

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