**OCS LOCALLY DEVELOPED MATH ELECTIVE**

**INDEPENDENCE HIGH SCHOOL**

**SYLLABUS – FALL 2015**

**MR. STAPLETON**

**Email**: james.stapleton@cms.k12.nc.us **Location:** Room 301C

**COURSE DESCRIPTION**

This course is intended for Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. The Locally Developed Math Elective course teaches Common Core Standards for math and prepares students for the subsequent course, Math I. Successful completion of both the Locally Developed Math Elective Course and Math I will fulfil the Math l requirement. Student will receive two credits: Locally Developed Math Elective as an elective credit and Math I as the Math I credit. This course blends the best of online and classroom activities. Six engaging units cover topics such as simplifying expressions with exponents, solving equations and inequalities, relations and functions, slope and linear functions, and solving systems of equations and inequalities. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways. This course is designed to be implemented in a blended environment with collaborative instruction delivered by an online highly-qualified high school math teacher as well as a face-to-face OCS teacher.

**COURSE OUTLINE**

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| UNIT 1 | Foundations for Algebra |
| UNIT 2 | Solving Equations |
| UNIT 3 | Solving Inequalities |
| UNIT 4 | Introduction to Functions |
| UNIT 5 | Linear Functions |
| UNIT 6 | Systems of Equations and Inequalities |

**MATERIALS NEEDED:**

* Pencils/Pens
* Notebook Paper
* Flash Drive

**GRADING POLICY**

Grades for this course are calculated on a standard 100-point scale. The final grade is a combination of scores made up from daily activities, quizzes, and tests.

**Assignment Weights: Grading Scale:**

Formal Assessments (Test & Quiz): 70% A = 100 – 90 C = 79 – 70 F = 59 & below

Informal Assessments (Daily Activities): 30% B = 89 – 80 D = 69 – 60

**CLASS EXPECTIONS**

* Be prepared and on-time for class
* Be respectful of the teacher and your classmates
* Listen carefully and follow instruction
* Follow all school wide rules