Dorchester County Public Schools
Mathematics Syllabus

MS. SIWALD ROOM NUMBER: A209
EMAIL: SIWALDJ@DCPSMD.ORG   **CLASS LENGTH:** 90 minutes
PHONE: (410) 943-4511 x 1575

Class Title:
Geometry

Course Description:
The fundamental purpose of the course in Geometry is 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. The Mathematical Practice Standards apply throughout and, together with the content standards, prescribe that student experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. There are six critical areas covered: Congruence, Proof, and 26 Constructions; Similarity, Proof, and Trigonometry; Extending to Three Dimensions; Connecting Algebra and Geometry through Coordinates; and Circles with and without Coordinates. Prerequisite: Algebra I or Intensified Algebra

Units of Study:
* Unit 1: Constructions and Rigid Transformations   2-3 weeks
* Unit 2: Congruence   1-2 weeks
* Unit 3: Similarity   1-2 weeks
* Unit 4: Right Triangle Trigonometry   1-2 weeks
* Unit 5: Solid Geometry   2-3 weeks
* Unit 6: Coordinate Geometry   3-4 weeks
* Unit 7: Circles   2-3 weeks
* Unit 8: Conditional Probability   1-2 weeks

Grading Policy:
All grading will be in accordance to the DCPS grading policy.
Note: Pre-Tests and Tests (Summative assessments) will be assigned for every unit.

Expected Student Behaviors:
In Dorchester County Public Schools all students are expected to:

* Engage in learning activities and take school work seriously
* Be courteous
* Attend school regularly, on time, and prepared to learn
* Cooperate with others
* Take responsibility for their own behavior
* Complete assignments on time
* Speak appropriately
* Exhibit self-control
* Behave ethically