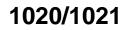


HIS MATH DEPARTMENT

COURSE: Geometry Connections



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RIGOR: Accelerated (Above grade level)

Average (On grade level)



Pre-requisites: Algebra Connections

Course Description: Concepts of geometric figures such as lines, angles, triangles, circles, quadrilaterals, prisms and pyramids including perimeter, area, and volume formulas will be stressed. Students will also be introduced to the concept of a geometric proof and review of equation solving from algebra.

Course Syllabus:

 $\frac{\text{Semester 1}}{\text{Chapter 1} (1.1 - 1.7)}$ Chapter 2 (2.1 - 2.3, 2.5,2.6) Chapter 3 (3.1 - 3.3, 3.5,3.6) Chapter 4 (4.1 - 4.6, 4.8) Chapter 5 (5.1 - 5.8)

Foundations for Geometry Geometric Reasoning Parallel and Perpendicular Lines Triangle Congruence Properties and Attributes of Triangles

<u>Semester 2</u> Chapter 6 (6.1 - 6.6)Chapter 7 (7.1 - 7.3)Chapter 8 (8.2 - 8.4)Chapter 9 (9.1 - 9.3, 9.6)Chapter 10 (10.1 - 10.8)Chapter 11 (11.1 - 11.4)MCA Review

Polygons and Quadrilaterals Similarity Right Triangles and Trigonometry Extending Perimeter, Circumference and Area Spatial Reasoning Circles

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Minnesota Standards to be Mastered:

http://education.state.mn.us/MDE/dse/stds/Math/

Expected Homework: Daily assignments are due the next class period.

Late Work Policies: All homework must be completed by test day.

Grade Includes: Tests, Quizzes, Homework

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