



Portland Public Schools Syllabus Template

Instructor Eileen Rogers

School Year 07 - 08

NCES/eSIS Course Number: 20341	School: Wilson	
<i>Course content must align with ODE curriculum definition</i>		
Subject: Math	Course Title: Geometry	Grade Level: 9 - 12
<i>Type of credit(s) earned:</i> Elective Credit <input type="checkbox"/> Core Credit <input checked="" type="checkbox"/> Pathway Credit <input type="checkbox"/>		
Prerequisites: C or better in Algebra		
Course description: <i>List standards that the course will cover for information please refer to the ODE website: http://www.ode.state.or.us/teachlearn/real/standards/default.aspx</i> In this course, students study two and three dimensional shapes and their relationships in plane and space. It is a visual as well as analytic subject, integrating spatial and numerical concepts. Students classify and describe shapes in terms of congruence, similarity, and transformations. The course introduces students to different forms of mathematical logic, including inductive and deductive reasoning. Students solve measurement and algebraic problems using properties, proportions, and trigonometric relationships. Algebra 1-2 is reviewed with geometric applications. Students use the software available on the TI-84 calculator and/or Geometer's Sketchpad to deepen their understanding of key ideas. Homework is required in this class.		
Learning Objectives: <ul style="list-style-type: none">• Students can reason inductively and deductively• Students can represent and label geometric objects correctly including points, lines, planes, angles, polygons, circles, arcs, and three dimensional objects.• Students can recognize patterns and make conjectures.• Students can classify geometric figures, measure and calculate areas and volumes.• Students can understand and use transformations both using coordinates and using matrices.• Students can use trigonometric relationships of right triangles to solve problems.• Students can use properties of circles to solve problems.		
References, textbooks, and resources: Discovering Geometry by Michael Serra, Key Curriculum Press Geometer's Sketchpad Software TI-84 Calculator with Cabri Jr		
Assessment/evaluation/grading policy: Grades are based on points earned from homework, quizzes, tests, and projects. Grades are assigned using the following scale: 90 – 100% = A, 80 – 89 % = B, 70 – 79% = C, 55 – 69% = D, below 55% = F		
Behavioral expectations: Come to class prepared and on time. Do not interfere with another student's right to learn. Show respect to all people in the classroom. Students must meet the minimum level of		

<p>classroom behavior that will ensure a safe and orderly learning environment for the entire class. Students who do not follow classroom rules will receive consequences beginning with teacher conference with student and/or parents and progressing through the referral for disciplinary action by school administrators.</p>
<p>Safety issues and requirements Emergency evacuation procedures are posted by the doorway.</p>
<p>Additional opportunities: Check if appropriate/support requested</p> <ul style="list-style-type: none"> <input type="checkbox"/> Field trips <input type="checkbox"/> Career Related Learning Experiences (CRLE's) <input type="checkbox"/> Internships or other Career Related <input type="checkbox"/> Project-based Learning <input type="checkbox"/> Service Learning
<p>Schedule of topics/units covered (optional) Geometric Art, Introducing Geometric terminology, reasoning in Geometry, constructions, Triangle Properties, Polygon Properties, Circle Properties, Areas of figures, Pythagorean theorem, Volume, similarity, Trigonometry, Transformations and Tessellations.</p>
<p>Student Accommodation(s)¹ and support available: (e.g., tutoring, differentiated instruction): After school tutoring for individual students is available after school every day that there is not a faculty meeting</p>
<p>Signature of instructor completing this form: <i>Eileen Rogers</i></p>
<p>Effective date of syllabus: <i>9/5/07</i> School Year: <i>2007/2008</i></p>
<p>Department Head Approval <i>(if applicable)</i></p>
<p>Administrator Approval: <i>(by signing this form the administrator verifies that the course code written on this form is accurate and that this code has been correctly placed into eSIS by the school's data clerk and that the teacher listed on the syllabus meets the endorsement requirements as set forth by ODE and NCLB)</i></p>
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¹ "Accommodation" means an alteration in how a test is presented to or responded to by the person tested: it includes a variety of alterations in presentation format, response format, setting in which the test is taken, timing or scheduling. The alterations do not substantially change level, content, or performance criteria. The changes are made in order to provide a student equal access to learning and equal opportunity to demonstrate what is known. For student with disabilities, accommodations may be stated on the student's individual education plan (IEP).