HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

Semester 1 2011 –2012 Department: Special Education Course: Cross-Cat. Geometry Instructor(s):
This course is aligned to: **College Readiness Standards and/or College Board Standards** Other:

The Homewood-Flossmoor High School Course Scope & Sequence provides parents and students with a semester-long overview of each class that we offer. ***An instructor may alter a course's scope & sequence as needed.*** *Students are responsible for keeping track of due dates and other pertinent course information in their H-F Student Planners. Parents, please contact your child's teacher by telephone or e-mail to clarify any questions you may have about the scope & sequence of a particular course.*

WEEK	COLLEGE READINESS AND/OR COLLEGE BOARD CONTENT STANDARDS	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #1 8/15 – 8/19 No Classes: 8/15 & 8/16		Reviewing school & classroom rules, supplies needed & textbook, and overview of Geometry.	Geometry is all around us worksheet. Student activity, Finding Geometry all around us.	None	None
WEEK #2 8/22 – 8/26	M.III.f.: Draw conclusions based on number concepts, algebraic properties, and/or relationships between expressions and numbers.	Introduction to the Basics of Geometry.	**1.1 Finding and describing patterns:** Note taking guide, book pages 3 – 6, and Reteaching with practice. **1.2 Inductive Reasoning:** Note taking guide, book pages 8 – 13, and Reteaching with practice.	Quizzes 1.1 and 1.2.	None
WEEK #3 8/29 – 9/2	M.V.a.1: Identify the location of a point with a positive coordinate on the number line.	Continue the Basics of Geometry.	**1.3 Points, Lines, and Planes:** Note taking guide, book pages 14 – 20, Reteaching with practice, and Exploring Intersections activity. **1.4 Sketching Intersections:** Note taking guide, book pages 22 – 27, and Reteaching with Practice.	Quizzes 1.3 and 1.4.	None
WEEK #4 9/5 – 9/9 No school: 9/5	M.VII.a: Estimate or calculate the length of a line segment based on other lengths given on a geometric figure	Conclude the Basics of Geometry.	**1.5 Segments and Their Measures:** Note taking guide, book pages 28 – 33, Reteaching with practice, and Kinds of Angles activity. **1.6 Angles and Their Measures:** Note taking guide, book pages 35 – 41, and Reteaching with practice. Chapter 1 summary and review.	Quizzes 1.5, 1.6, and chapter 1 test.	None

WEEK #5 9/12 – 9/16	M.VII.a.1: Estimate or calculate the length of a line segment based on other lengths given on a geometric figure.	Introduction to Segments and Angles.	**2.1 Segment Bisectors:** Note taking guide, book pages 53 – 59, Reteaching with practice and Folding Angle Bisectors activity. **2.2 Angle Bisectors:** Note taking guide, book pages 61 – 66, and Reteaching with Practice.	Quizzes 2.1 and 2.2.	None
WEEK #6 9/19 – 9/23	M.VI.c.2: Exhibit knowledge of basic angle properties and special sums of angle measures.	Continue Segments and Angles.	**2.3 Complementary and Supplementary Angles:** Note taking guide, book pages 67 – 73, Reteaching with practice, and Angles and Intersecting Lines activity. **2.4 Vertical Angles:** Note taking guide, book pages 75 – 81, and Reteaching with Practice.	Quizzes 2.3 and 2.4.	None
WEEK #7 9/26 – 9/30	M.VI.f.1: Draw conclusions based on a set of conditions.	Conclude Segments and Angles.	**2.5 If-Then Statements and Deductive Reasoning:** Note taking guide, book pages 82 – 87, and Reteaching with practice. **2.6 Properties of Equality and Congruence:** Note taking guide, book pages 88 – 94, Reteaching with practice. Chapter 2 summary and review.	Quizzes 2.5, 2.6, and chapter 2 test.	None
WEEK #8 10/3 – 10/7	M.V.e.4: Use the properties of parallel and perpendicular lines to determine an equation of a line or coordinates of a point.	Introduction to Parallel and Perpendicular Lines.	**3.1 Relationship Between Lines:** Note taking guide, book pages 108 – 113, Reteaching with practice and Lines in Space activity. **3.2 Theorems About Perpendicular Lines:** Note taking guide, book pages 114 – 120, Reteaching with practice, and Intersecting Lines activity.	Quizzes 3.1 and 3.2.	None
WEEK #9 10/10 –10/14 No school: 10/10 All School Testing: 10/12	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel and perpendicular lines.	Continue Parallel and Perpendicular Lines.	**3.3 Angle Formed by Transversals:** Note taking guide, book pages 121 – 125, Reteaching with practice.	Quizzes 3.3.	None

WEEK #10 10/17 –10/21 End of Quarter: 10/21	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel and perpendicular lines.	Continue Parallel and Perpendicular Lines.	**3.4 Parallel Lines and Transversals:** Parallel Lines and Angles Activity, Note taking guide, book pages 128 – 135, and Reteaching with practice. **3.5 Showing Lines are Parallel:** Note taking guide, book pages 136 – 142, and Reteaching with Practice.	Quizzes 3.4 and 3.5.	None
WEEK #11 10/24 –10/28	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel and perpendicular lines.	Conclude Parallel and Perpendicular Lines.	**3.6 Properties of Equality and Congruence:** Constructing a Perpendicular to a line activity, Note taking guide, book pages 143 – 149, Reteaching with practice, and Parallel Lines and Slope activity. **3.7 Translations:** Note taking guide, book pages 152 – 159, Reteaching with practice. Chapter 3 summary and review.	Quizzes 3.6, 3.7, and chapter 3 test.	None
WEEK #12 10/31 – 11/4 Parent/teacher Conferences: 11/3 No Classes: 11/4	M.VI.c.2: Exhibit knowledge of basic angle properties and special sums of angle measures.	Introduction to Triangle Relationships.	**4.1 Classifying Triangles:** Note taking guide, book pages 173 – 178, and Reteaching with practice.	Quiz 4.1	None
WEEK #13 11/7 –11/11 No school: 11/11	M.VI.c.2: Exhibit knowledge of basic angle properties and special sums of angle measures.	Continue Triangle Relationships.	**4.2 Angle Measures of Triangles:** Note taking guide, book pages 179 – 184, and Reteaching with practice.	Quiz 4.2	None
WEEK #14 11/14 –11/18	M.VI.d.3: Use properties of isosceles triangles.	Continue Triangle Relationships.	**4.3 Isosceles and Equilateral Triangles:** Properties of Isosceles Triangles activity, Note taking guide, book pages 185 – 190, and Reteaching with practice.	Quiz 4.3	None
WEEK #15 11/21 – 11/25 No school: 11/24 & 11/25	M.VI.e.2: Use the Pythagorean theorem.	Continue Triangle Relationships.	**4.4 The Pythagorean Theorem and distance Formula:** Areas and Right Triangles, Note taking guide, book pages 193 – 198, and Reteaching with practice.	Quiz 4.4	None

WEEK #16 11/28 – 12/2	M.VI.e.2: Use the Pythagorean theorem.	Continue Triangle Relationships.	**4.5 The Converse of the Pythagorean Theorem:** Side Lengths of Triangles activity, Note taking guide, book pages 200 – 205, and Reteaching with practice.	Quiz 4.5	None
WEEK #17 12/5 – 12/9	M.V.d.4: Find the midpoint of a line segment.	Continue Triangle Relationships.	**4.6 Medians of a Triangle:** Intersecting Medians activity, Note taking guide, book pages 207 – 211, and Reteaching with practice.	Quiz 4.6	None
WEEK #18 12/12 –12/16	M.VI.c.2: Exhibit knowledge of basic angle properties and special sums of angle measures.	Conclude Triangle Relationships.	**4.7 Triangle Inequalities:** Note taking guide, book pages 212 – 218, and Reteaching with practice.	Quiz 4.7	None
WEEK #19 12/19 – 12/21	M.VI.c.2: Exhibit knowledge of basic angle properties and special sums of angle measures.	Review Triangle Relationships.	Chapter 4 summary and review.	Chapter 4 test.	None
WEEK #20 1/4 – 1/6		First semester final review.	**First Semester Final Review Packet.**		None
WEEK #21 1/9 – 1/13 Finals: 1/9 – 1/11 Marking Day (No Classes) 1/12 INSTITUTE/PLC Day (No Classes) 1/13		First Semester Final Exams		Final Exams	None

HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

Semester 2 2011 – 2012 Department: Special Education Course: Cross-Cat. Geometry Instructor(s):
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WEEK #1 1/16 – 1/20 No school: 1/16		Introduction to Congruence and Triangles.	**5.1 Congruence and Triangles:** Note taking guide, book pages 233 – 239, Reteaching with practice, and Congruent Triangles activity.	Quiz 5.1	None
WEEK #2 1/23 – 1/27	M.VI.e.1: Apply properties of 30°-60°-90°, 45°-45°-90°, similar, and congruent triangles.	Continue Congruence and Triangles.	**5.2 Proving Triangles are Congruent, SSS and SAS:** Congruent Triangles activity, Note taking guide, book pages 241 – 249, and Reteaching with practice. **5.3 Proving Triangles are Congruent, ASA and AAS:** Creating Congruent Triangles activity, Note taking guide, book pages 250 – 256, and Reteaching with practice.	Quizzes 5.2 and 5.3.	None
WEEK #3 1/30 – 2/3	M.VI.e.1: Apply properties of 30°-60°-90°, 45°-45°-90°, similar, and congruent triangles.	Continue Congruence and Triangles.	**5.4 Hypotenuse-Leg Congruence Theorem, HL:** Note taking guide, book pages 257 – 263, Reteaching with practice, and Investigating Congruence activity. **5.5 Using Congruent Triangles:** Note taking guide, book pages 265 – 271, and Reteaching with practice.	Quizzes 5.4 and 5.5	None
WEEK #4 2/6 – 2/10	M.VI.e.1: Apply properties of 30°-60°-90°, 45°-45°-90°, similar, and congruent triangles. M.VI.d.1: Use several angle properties to find an unknown angle measure.	Conclude Congruence and Triangles.	**5.6 Angle Bisectors and Perpendicular Bisectors:** Investigating Bisectors activity, Note taking guide, book pages 273 – 280, and Reteaching with practice. **5.7 Reflections and Symmetry:** Investigating Reflections activity, Note taking guide, book pages 282 – 290, Reteaching with practice, chapter 5 summary and review.	Quizzes 5.6, 5.7, and chapter 5 test.	None

WEEK #5 2/13 – 2/17	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel lanes.	Introduction to Quadrilaterals	**6.1 Polygons:** Note taking guide, book pages 303 – 308, and Reteaching with practice. **6.2 Properties of Parallelograms:** Investigating Parallelograms activity, Note taking guide, book pages 310 – 315, and Reteaching with practice.	Quizzes 6.1 and 6.2.	None
WEEK #6 2/20 – 2/24 No school: 2/20	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel lanes.	Continue with Quadrilaterals	**6.3 Showing quadrilaterals are Parallelograms:** Making Parallelograms activity, Note taking guide, book pages 316 – 323, and Reteaching with practice. **6.4 Rhombuses, Rectangles, and Squares:** Note taking guide, book pages 325 – 330, and Reteaching with practice.	Quizzes 6.3 and 6.4.	None
WEEK #7 2/27 – 3/2	M.VI.b.1: Exhibit some knowledge of the angles associated with parallel lanes.	Conclude Quadrilaterals	**6.5 Trapezoids:** Midsegment of a Trapezoid activity, Note taking guide, book pages 332 – 336, and Reteaching with practice. **6.6 Reasoning About Special Quadrilaterals:** Note taking guide, book pages 337 – 341, Reteaching with practice, and chapter 6 summary and review.	Quizzes 6.5, 6.6, and chapter 6 test.	None
WEEK #8 3/5 – 3/9 No school: 3/5	M.V.f.3: Solve problems integrating multiple algebraic and/or geometric concepts.	Introduction to Similarity	**7.1 Ratio and Proportion:** Note taking guide, book pages 357 – 363, and Reteaching with practice. **7.2 Similar Polygons:** Conjecture About Similarity activity, Note taking guide, book pages 365 – 371, and Reteaching with practice.	Quizzes 7.1 and 7.2.	None
WEEK #9 3/12 – 3/16	M.VI.d.1: Use several angle properties to find an unknown angle measure.	Continue with Similarity	**7.3 Showing Triangles are Similar, AA:** Angles and Similar Triangles activity, Note taking guide, book pages 372 – 378, and Reteaching with practice. **7.4 Showing Triangles are Similar, SSS and SAS:** Note taking guide, book pages 379 – 385, and Reteaching with practice.	Quizzes 7.3 and 7.4.	None

WEEK #10 3/19 – 3/23 End of Quarter: 3/23	M.VI.d.1: Use several angle properties to find an unknown angle measure.	Conclude Similarity	**7.5 Proportions and Similar Triangles:** Investigating Proportional Segments activity, Note taking guide, book pages 386 – 392, and Reteaching with practice. **7.6 Dilations:** Drawing a Dilation activity, Note taking guide, book pages 393 – 398, Reteaching with practice, and chapter 7 summary and review.	Quizzes 7.5, 7.6, and chapter 7 test.	None
WEEK #11 4/2 – 4/6	M.VII.a.1: Estimate or calculate the length of a line segment based on other lengths given on a geometric figure.	Introduction to Polygons and Area	**8.1 Classifying Polygons:** Note taking guide, book pages 411 – 415, and Reteaching with practice.	Quizzes 8.1	None
WEEK #12 4/9 – 4/13	M.VI.d.1: Use several angle properties to find an unknown angle measure.	Continue with Polygons and Area	**8.2 Angles in Polygons:** Angle Sum of Polygons activity, Note taking guide, book pages 417 – 423, and Reteaching with practice.	Quiz 8.2	None
WEEK #13 4/16- 4/20 No school: 4/22	M.VII.b.2: Compute the area of rectangles when whole number dimensions are given.	Continue with Polygons and Area	**8.3 Area of Squares and Rectangles:** Note taking guide, book pages 424 – 429, and Reteaching with practice.	Quizzes 8.3	None
WEEK #14 4/23 – 4/27 PSAE: 4/24 & 4/25	M.VII.c.1: Compute the area and perimeter of triangles and rectangles in simple problems.	Continue with Polygons and Area	**8.4 Area of Triangles:** Finding Area of Triangles activity, Note taking guide, book pages 431 – 437, and Reteaching with practice	Quiz 8.4	None
WEEK #15 4/30 – 5/4	M.VII.c.2: Use geometric formulas when all necessary information is given.	Continue with Polygons and Area	**8.5 Area of Parallelograms:** Exploring the Area of a Parallelogram activity, Note taking guide, book pages 439 – 445, and Reteaching with practice.	Quiz 8.5	None
WEEK #16 5/7 – 5/11	M.VII.c.2: Use geometric formulas when all necessary information is given.	Continue with Polygons and Area	**8.6 Area of Trapezoids:** Note taking guide, book pages 446 – 450, and Reteaching with practice.	Quiz 8.6	None
WEEK #17 5/14 – 5/18	M.VII.d.2: Compute the area and circumference of circles after identifying necessary information.	Continue with Polygons and Area	**8.7 Circumference and Area of Circles:** Finding Area of Circles activity, Note taking guide, book pages 455 – 459, and Reteaching with practice, and chapter 8 summary and review.	Quiz 8.7 Chapter 8 test	None

WEEK #18 5/21 – 5/25 Last day for seniors: 5/24		**Review for the Second Semester Final Exam**	**Second Semester Final Review Packet**		None
WEEK #19 5/28– 6/1 No school: 5/28 Final Exams: 5/29 – 5/31 Marking Day: 6/1		**Final Exams**			None