



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

Semester 1 '10 – '11

Department: Mathematics

Course: Geometry CP

Instructor(s): Terrell Alexander, Rob Assise, David Brewczynski, Robert Chapel, Jacki, Kovar, Terry Mattia, Charlesl Ward

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
WEEK #1 8/16 – 8/20 No school: 8/16 & 8/17	M.III.f.1. M.V.e.3.	1.1 Patterns and Inductive Reasoning 1.2 Points, Lines and Planes 1.3 Segments and Their Measure	Homework from pgs 6-23	
WEEK #2 8/23 – 8/27	M.V.d.4.	1.4 Angles and Their Measure 1.5 Segments and Angle Bisectors 1.6 Angle Pair Relationships	Homework from pgs 29-47	Exam 1
WEEK #3 8/30 – 9/3 PLC day: 9/3	M.VI.d.1. M.V.f.3.	1.6 Angle Pair Relationships 2.5 Proving Statements about Segments 2.6 Proving Statements about Angles (Algebraic Only)	Homework from pgs 47-49 Homework from pgs 104-112	Exam 2



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

WEEK #4 9/6 – 9/10 No school: 9/6 Pep assembly: 9/10	M.V.c.3. M.V.e.4.	3.6 Parallel Lines in the Coordinate Plane 3.7 Perpendicular Lines in the Coordinate Plane	Homework from pgs 168-175	Exam 3
WEEK #5 9/13 – 9/17	M.VI.b.1. M.VI.c.1.	3.1 Lines and Angles 3.2 Proof and Perpendicular Lines 3.3 Parallel Lines and Transversals 3.4 Proving Lines are Parallel (Algebraic Only)	Homework from pgs 135-153	
WEEK #6 9/20 – 9/24 PLC day: 9/24	M.VI.f.1. M.IV.e.1.	Geometric Systems 2.1 Conditional Statements 2.2 Definitions and Biconditional 2.4 Reasoning with Properties from Algebra	Homework from pgs 75-82 Homework from pg 100	Exam 4
WEEK #7 9/27 – 10/1	M.VI.f.1. M.VI.f.2.	Alternative Proofs 2.5 Proving Statements about Segments 2.6 Proving Statements about Angles (Proofs Only)	Homework from pgs 104-112	Exam 5
WEEK #8 10/4 – 10/8 PLC day: 10/8	M.VI.f.1. M.VI.f.2. M.VI.b.1.	2.5 Proving Statements about Segments 2.6 Proving Statements about Angles 3.4 Proving Lines are Parallel 3.5 Using Properties of Parallel Lines (Advanced Proofs Only)	Homework from pgs 104-112 Homework from pgs 153-160	Exam 6



## HOMEWOOD-FLOSSMOORE HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #9 10/11 – 10/15 No school: 10/11 All School Testing: 10/13	M.VI.f.1. M.VI.f.2. M.VI.e.1.	4.1 Triangles and Angles 4.2 Congruence and Triangles	Homework from pgs 198-205	
WEEK #10 10/18 – 10/22 End of 1 <sup>st</sup> Quarter: 10/22	M.VI.f.1. M.VI.f.2. M.VI.e.1.	4.2 Congruence and Triangles Cumulative Quarter Review	Homework from pgs 205-207	Exam 7 1 <sup>st</sup> Quarter Exam
WEEK #11 10/25 – 10/29 PLC day: 10/29	M.VI.f.1. M.VI.f.2. M.VI.d.3. M.VI.e.1.	4.3 SSS and SAS 4.4 ASA and AAS 4.5 Using Congruent Triangles 4.6 Isosceles, Equilateral, and Right Triangles	Homework from pgs 216-239	
WEEK #12 11/1 – 11/5 Parent/teacher Conferences: 11/4 No school: 11/5	M.VI.f.1. M.VI.f.2. M.VI.e.1.	4.5 Using Congruent Triangles	Homework from pg 232	Exam 8
WEEK #13 11/8 –11/12 No school: 11/11	M.V.f.3. M.IV.c.3.	5.1 Perpendiculars and Bisectors 5.3 Medians and Altitudes of a Triangle	Homework from pg 267 Homework from pg 282	



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #14 11/15 – 11/19 PLC day: 11/19	M.IV.e.1. M.IV.e.2.	5.4 Midsegment Theorem 5.5 Inequalities in One Triangle	Homework from pgs 290-299	Exam 9
WEEK #15 11/22 – 11/26 No school: 11/25 & 11/26	M.IV.e.2.	5.6 Indirect Proofs and Inequalities in Two Triangles	Homework from pgs 305-307	Exam 10
WEEK #16 11/29 – 12/3	M.IV.f.2. M.IV.c.2.	6.1 Polygons 11.1 Angle Measures in Polygons	Homework from pg 326 Homework from pg 665	Exam 11
WEEK #17 12/6 – 12/10 PLC day: 12/10	M.IV.f.2. M.IV.c.2. M.VI.f.1. M.VI.f.2.	6.2 Properties of Parallelograms 6.3 Proving Quadrilaterals are Parallelograms 6.4 Rhombuses, Rectangles, and Squares	Homework from pgs 333-351	
WEEK #18 12/13 – 12/17	M.IV.f.2. M.IV.c.2. M.VI.f.1. M.VI.f.2.	6.4 Rhombuses, Rectangles, and Squares 6.5 Trapezoids and Kites 6.6 Special Quadrilaterals	Homework from pgs 351-367	Exam 12



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #19 1/3 – 1/7	M.IV.c.1.	6.7 Areas of Triangles and Quadrilaterals	Homework from pg 376	Exam 13
WEEK #20 1/10 – 1/14 Finals: 1/11 – 1/13 Marking Day 1/14		Final Exam Review	Homework from semester review and textbook Study for final exams	Final Exams



## HOMWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE

Semester 2 '10 – '11      Department:      Course:      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
WEEK #1 1/17 – 1/21 No school: 1/17	M.VI.f.1 M.VI.e.1	8.1- Ratio and Proportions 8.2- Problem Solving with properties of proportions	Homework from pg 461 Homework from pg 468	
WEEK #2 1/24 – 1/28 PLC day: 1/28	M.VI.f.1 M.VI.e.1	8.3- Similar Polygons 11.3- Perimeter and Area of Similar Figures 8.4- Similar Triangles	Homework from pg 476 Homework from pg 679 Homework from pg 482	Exam 14
WEEK #3 1/31 – 2/4	M.VI.f.1 M.VI.e.1	8.4- Similar Triangles 8.5- Proving Similar Triangles 8.6- Proportions and Similar Triangles	Homework from pg 483 Homework from pg 492 Homework from pg 502	
WEEK #4 2/7 – 2/11 PLC day: 2/11	M.IV.f.1 M.III.d.5	8.6- Proportions and Similar Triangles 8.2- Geometric Mean Problems 9.1- Similar Right Triangles	Homework from pg 502 Homework from pg 468 Homework from pg 531	Exam 15



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #5 2/14 – 2/18	M.VI.e.2 M.III.d.5	9.2- Pythagorean Theorem 9.3- Converse of Pythagorean Theorem 9.4- Special Right Triangles	Homework from pg 538 Homework from pg 545 Homework from pg 554	
WEEK #6 2/21 – 2/25 No school: 2/21 PLC day: 2/25	M.VI.e.2 M.VI.e.1	9.4- Special Right Triangles	Homework from pg 554	Exam 16
WEEK #7 2/28 – 3/4	M.VI.e.2 M.VI.f.2	9.5- Trigonometric Ratios 9.6- Solve Right Triangles with Trigonometry	Homework from pg 562 Homework from pg 570	
WEEK #8 3/7 – 3/11 No School: 3/7 & 3/8	M.VI.e.2 M.VI.f.2	9.6- Solve Right Triangles with Trigonometry	Homework from pg 570	Exam 17
WEEK #9 3/14 – 3/18 PLC day: 3/18	M.VI.f.1 M.VI.d.1	10.1- Tangents to Circles 10.2- Arcs and Chords 10.3- Inscribed Angles	Homework from pg 599 Homework from pg 607 Homework from pg 616	



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #10 3/21 – 3/25 End of 3rd Quarter: 3/25	M.VI.f.1 M.VI.d.1	10.3- Inscribed Angles 10.4- Other Angle Relationships in Circles	Homework from pg 616 Homework from pg 624	Exam 18
---	----------------------	--	--	---------



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK	COLLEGE READINESS AND/OR COLLEGE BOARD CONTENT STANDARDS	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS
WEEK #11 4/4 – 4/8	M.IV.e.5 M.V.e.5	10.5- Segment Lengths in Circles 10.6- Equations of Circles	Homework from pg 632 Homework from pg 638	Exam 19
WEEK #12 4/11 – 4/15 PLC day: 4/15	M.IV.e.1 M.IV.e.2	1.7- Intro to Perimeter, Circumference and Area 11.4- Circumference and Arc Length 11.5 - Area of Sector	Homework from pg 55 Homework from pg 686 Homework from pg 695	
WEEK #13 4/18- 4/22 No school: 4/22	M.IV.e.1 M.IV.f.2	11.5 - Area of Sector 11.2- Area of Regular Polygons	Homework from pg 695 Homework from pg 672	Exam 20
WEEK #14 4/25 – 4/29 PSAE: 4/27 & 4/28	M.IV.f.2 M.VI.f.1	11.2- Area of Regular Polygons 11.6 - Geometric Probability	Homework from pg 672 Homework from pg 701	



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #15 5/2 – 5/6 PLC day: 5/6	M.IV.e.2 M.VI.f.1	11.6 - Geometric Probability 12.1- Exploring Solids 12.2- Surface Area of Prisms and Cylinders	Homework from pg 701 Homework from pg 723 Homework from pg 731	Exam 21
WEEK #16 5/9 – 5/13	M.IV.e.2 M.VI.f.1	12.2- Surface Area of Prisms and Cylinders 12.4- Volume of Prisms and Cylinders	Homework from pg 731 Homework from pg 746	Exam 22
WEEK #17 5/16 – 5/20 PLC day: 5/20	M.IV.e.2 M.VI.f.1	12.3- Surface Area of Pyramids and Cones 12.5- Volume of Pyramids and Cones	Homework from pg 738 Homework from pg 755	
WEEK #18 5/23 – 5/27 Seniors' last day: 5/26	M.IV.e.2 M.VI.f.1	12.6- Spheres	Homework from pg 762	Exam 23



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



WEEK #19 Final Exams: 5/31 – 6/2 Marking Day: 6/3		Final Exam Review	Homework from pg 762 Final Exam Review	Final Exam
---	--	-------------------	---	------------