



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



Semester 1 '10 – '11 Department: Math Course: Algebra 2/Trig Honors Instructor(s): Assise, Fasse, Furlong, Griffin, 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	OTHER
WEEK #1 8/16 – 8/20 No school: 8/16 & 8/17	M.III.c. M.III.d. M.III.e. M.III.f.1 M.IV.a.1 M.IV.b.1 M.IV.b.3 M.IV.c.1,2 M.V.a.1 M.V.c.2	Introduction/Expectations P.1 Review of Numbers and Their Properties P.2 Exponents and Radicals	Homework will be assigned from these sections.	Pre-Assessment Test	
WEEK #2 8/23 – 8/27	M.III.e.4 M.IV.c.5 M.IV.d.4 M.IV.d.5	P.2 Exponents and Radicals P.3 Polynomials and Special Products P.4 Factoring Polynomials	Homework will be assigned from these sections.	Quiz P.1-P.2	
WEEK #3 8/30 – 9/3 PLC day: 9/3	M.IV.d.5	P.4 Factoring Polynomials P.5 Rational Expressions Review	Homework will be assigned from these sections	NONE	
WEEK #4 9/6 – 9/10	M.V.a. M.V.b. M.V.c. M.V.d	P.5 Rational Expressions Chapter P Review	Homework will be assigned	Chapter P Test	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



No school: 9/6 Pep assembly: 9/10		1.1 Graphs of Equations	from this section		
WEEK #5 9/13 – 9/17	M.I.e.1. M.I.f. M.IV.c.3 M.IV.d.1 M.IV.d.2 M.IV.f.1 M.VIII.b.2	1.2 Linear Equations in Variable 1.3 Modeling Linear Equations 1.4 Quadratic Equations and Applications Sum and Product	Homework will be assigned from these sections.	NONE	
WEEK #6 9/20 – 9/24 PLC day: 9/24	M.III.d.9. M.III.e.5 M.III.f.3	Review Chapter 1A Review 1.5 Complex Numbers	Homework will be assigned from these sections	Chapter 1A Test	
WEEK #7 9/27 – 10/1	M.IV.d.3 M.IV.d.6 M.IV.e.3. M.IV.e.4 M.IV.e.5 M.IV.e.6	1.5 Complex Numbers 1.6 Other Types of Equations 1.7 Linear Inequalities in One Variable	Homework will be assigned from these sections	Quiz 1.5/1.6	
WEEK #8 10/4 – 10/8 PLC day: 10/8	M.IV.f.2 M.IV.f.3. M.V.f.1	1.8 Other Types of Inequalities Chapter 1 Review	Homework will be assigned from this section	NONE	
WEEK #9 10/11 – 10/15 No school: 10/11	M.V.d.2 M.V.d.3 M.V.d.4 M.V.e.3 M.V.e.4	Chapter 1 Review 2.1 Linear Equations in Two Variables	Homework will be assigned from these sections	Chapter 1B Test	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



All School Testing: 10/13		2.2 Functions			
WEEK #10 10/18 – 10/22 End of 1 st Quarter: 10/22	M.V.f.2	2.3 Analyzing Graphs of Functions 2.4 A Library of Parent Functions	Homework will be assigned from these sections	2.1-2.3 Quiz	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



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WEEK #11 10/25 –10/29 PLC day: 10/29	M.VIII.d.1 M.VIII.e.1	2.5 Transformations of Functions 2.6 Functions and Their Graphs 2.7 Inverse Functions Chapter 2 Review	Homework will be assigned from these sections	Quiz 2.5/2.6	
WEEK #12 11/1 – 11/5 Parent/teacher Conferences: 11/4 No school: 11/5	M.IV.d.3 M.IV.e.5	Chapter 2 Review 3.1 Quadratic Functions and Models	Homework will be assigned from these sections.	Chapter 2 Test	
WEEK #13 11/8 –11/12 No school: 11/11	AII.1.1	1.6 Polynomial Functions of Higher Degree 1.7 Polynomial and Synthetic Division	Homework will be assigned from this section	NONE	
WEEK #14 11/15 –11/19 PLC day: 11/19	PC.1.1	Review 3.1-3.3 3.2 Polynomial Functions of Higher Degree	Homework will be assigned from these sections.	Quiz 3.1-3.3	
WEEK #15 11/22 – 11/26 No school: 11/25 &11/26	PC.1.1	3.3 Polynomial Functions of Higher Degree	Homework will be assigned from these sections	NONE	
WEEK #16		Review			



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



11/29 – 12/3		4.1 Rational Functions	Homework will be assigned from this section.	Chapter 3 Test	
WEEK #17 12/6 – 12/10 PLC day: 12/10	AII.2.3	4.2 Rational Functions	Homework will be assigned from these sections	NONE	
WEEK #18 12/13 – 12/17	M.IV.e.6	Review 9.1 Linear and Non-Linear Systems of Equations 9.2 Two Variable Linear Systems 9.3 Multivariable Linear Systems	Homework will be assigned	Rational Functions Test	
WEEK #19 1/3 – 1/7	M.IV.e.6	Review 9.1-9.3 Review for Semester 1	Homework will be assigned from these sections.	Linear Systems Test	
WEEK #20 1/10 – 1/14 Finals: 1/11 – 1/13 Marking Day 1/14		EXAM Review	Homework will be assigned from this section.	Final Exam	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



Semester 2 '10 – '11 Department: Course: Instructor(s):
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WEEK #1 1/17 – 1/21 No school: 1/17	M.III.f.2	Logarithms	Homework will be assigned from these sections	NONE	
WEEK #2 1/24 – 1/28 PLC day: 1/28	M.III.f.2	Logarithms	Homework will be assigned from these sections	Logarithms Quiz	
WEEK #3 1/31 – 2/4	M.III.f.2	Logarithms	Homework will be assigned from these sections	Logarithms Test	
WEEK #4 2/7 – 2/11 PLC day:	M.V.e.5	Conic Sections	Homework will be assigned from these sections	NONE	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



2/11			Group Work		
WEEK #5 2/14 – 2/18	M.V.e.5	Conic Sections	Homework will be assigned from these sections Group Work	NONE	
WEEK #6 2/21 – 2/25 No school: 2/21 PLC day: 2/25	M.V.e.5	Conic Sections	Homework will be assigned from these sections Group Work	Conic s Test	
WEEK #7 2/28 – 3/4	M.V.e.5	Conic Systems	Homework will be assigned from these sections	NONE	
WEEK #8 3/7 – 3/11 No School: 3/7 & 3/8	M.V.e.5	Conic Systems	Homework will be assigned from these sections Review Worksheet	Conic Systems Test	
WEEK #9 3/14 – 3/18 PLC day: 3/18	M.VI.d.1 M.VI.d.2 M.VI.e.1 M.VI.e.2 M.VIII.c.2 M.VIII.e.2 M.VIII.e.3	Introduction to Trigonometry	Homework will be assigned from these sections	NONE	
WEEK #10 3/21 – 3/25	M.VI.d.1 M.VI.d.2 M.VI.e.1 M.VI.e.2	Introduction to Trigonometry	Homework will be assigned from these	Intro. To Trig. Quiz	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



End of 1 st Quarter: 3/25	M.VIII.c.2 M.VIII.e.2 M.VIII.e.3		sections		
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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	OTHER
WEEK #11 4/4 – 4/8	M.VIII.e.4	Graphs of Trigonometric Functions	Homework will be assigned from these sections	NONE	
WEEK #12 4/11 – 4/15 PLC day: 4/15	M.VIII.e.4	Graphs of Trigonometric Functions Trigonometric Identities	Homework will be assigned from these sections Review Worksheet	Trigonometry Test	
WEEK #13 4/18- 4/22 No school: 4/22	M.VIII.c.2	Trigonometric Identities	Homework will be assigned from these sections	NONE	
WEEK #14 4/25 – 4/29 PSAE: 4/27 & 4/28	M.VIII.c.2	Trigonometric Identities	Homework will be assigned from these sections	Trigonometric Identities Test	
WEEK #15	M.VIII.c.2	Trigonometric Equations and	Homework will be assigned from these	NONE	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



5/2 – 5/6 PLC day: 5/6		Inverses	sections		
WEEK #16 5/9 – 5/13	M.VIII.c.2	Trigonometric Equations and Inverses	Homework will be assigned from these sections	Trigonometric Equations and Inverses Test	
WEEK #17 5/16 – 5/20 PLC day: 5/20	M.VI.b. M.VI.c.2 M.VI.d.1 M.VI.d.2 M.VI.e.1 M.VI.e.2 M.VII.c.2 M.VIII.c.2	Solving Right and Oblique Triangles	Homework will be assigned from these sections Semester 2 Review Packet	NONE	
WEEK #18 5/23 – 5/27 Seniors' last day: 5/26	M.VI.b. M.VI.c.2 M.VI.d.1 M.VI.d.2 M.VI.e.1 M.VI.e.2 M.VII.c.2 M.VIII.c.2	Solving Right and Oblique Triangles	Homework will be assigned from these sections Semester 2 Review Packet	Solving Right and Oblique Triangles Test	
WEEK #19 5/30 – 6/3 No school: 5/30 Final Exams:		Review for Semester 2 Final	Semester 2 Review Packet	Semester 2 Final Exam	



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



5/31 – 6/2 Marking Day: 6/3					
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