





## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



9/6 – 9/10 No school: 9/6 Pep assembly: 9/10		Pairs 2.2 Functions as a Rule 2.3 Zeros of a Function	sections will be assigned		
WEEK #5 9/13 – 9/17	M.VIII.b	2.4 Graphs of Linear Functions 2.5 The slope of a Line; Parallel Lines 2.7 Reading Line Graphs: Slopes of Lines	Homework from these sections will be assigned	2.1-2.4 Mid-Test	
WEEK #6 9/20 – 9/24 PLC day: 9/24	M.V.d	2.6 The Formula $f(x) = y = mx + b$ 2.8 Writing Equations of Lines Chapter 2 Review	Homework from these sections will be assigned	Chapter 2 Test	
WEEK #7 9/27 – 10/1	M.III.c M.IV.d	3.1 The Distributive Property  3.2A Factoring-GCF 3.2B Difference of Two Squares 3.2C Trinomials with lead coefficient of 1	Homework from these sections will be assigned	NONE	
WEEK #8 10/4 – 10/8 PLC day: 10/8	M.IV.d	3.2 D Trinomials with lead coefficient other than 1 3.2E Grouping 3.3 Solutions to $ax^2 + bx = 0$	Homework from these sections will be assigned	3.1-3.2 Mid-Test	



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WEEK #9 10/11 – 10/15 No school: 10/11 All School Testing: 10/13	M.IV.d	3.4 Solutions to $ax^2 + bx + c = 0$ 3.8 Quadratic Formula 3.9 The Discriminant Chapter 3 Review Packet	Homework from these sections will be assigned	Chapter 3 Test	
WEEK #10 10/18 – 10/22 End of 1 <sup>st</sup> Quarter: 10/22	M.V.f	4.1 $f(x) = ax^2 + bx + c = 0$ , Quadratic Equations 4.2 Graphing $f(x) = ax^2$ and $f(x) = -ax^2$ 4.3 Graphing $f(x) = ax^2 + c$	Homework from these sections will be assigned	4.1-4.3 Mid-Test	



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WEEK	COLLEGE READINESS AND/OR COLLEGE BOARD CONTENT STANDARDS	INSTRUCTIONAL CONTENT	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #11 10/25 – 10/29 PLC day: 10/29	M.V.f	4.4 Graphing, Using Roots and The Turning Point 4.5 Reading Quadratic Graphs 4.6 Parabolas and Straight Lines	NONE		
WEEK #12 11/1 – 11/5 Parent/teacher Conferences: 11/4 No school: 11/5	M.V.d	4.7 The Straight Lines 4.8 Word Problems and Linear Equations Chapter 4 Review Packet	Chapter 4 Test		
WEEK #13 11/8 –11/12 No school: 11/11	M.IV.d	5.1 Definitions, Addition 5.2 Products: $(a+b)^2, (a-b)^2, (a+b)^3, (a-b)^3$ 5.4 Multiplication of Polynomials	5.1, 5.2, 5.4 Mid-Test		
WEEK #14 11/15 – 11/19 PLC day: 11/19	M.IV.e	5.5 Division of Polynomials: Rational Expressions 5.6 Long Division of Polynomials 5.7 Synthetic Division Chapter 5 Review Packet	Chapter 5 Test		
WEEK #15 11/22 – 11/26 No school:	M.IV.e	6.1 Simplifying Rational Expressions 6.2 Adding and Subtracting	6.1 & 6.2 Mid-Test		



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11/25 & 11/26		Rational Expressions			
WEEK #16 11/29 – 12/3	M.IV.e	6.3 Multiplying Rational Expressions 6.4 Dividing Rational Expressions 6.5 Solving Rational Equations Chapter 6 Review Packet	Chapter 6 Test		
WEEK #17 12/6 – 12/10 PLC day: 12/10	M.III.d	7.1 Positive Powers-Basic Rules 7.2 Negative Exponents 7.3 Roots and Powers	NONE		
WEEK #18 12/13 – 12/17	M.IV.e	7.4 Operations with Radicals 7.5 Radical Equations	7.1-7.4 Mid-Test		
WEEK #19 1/3 – 1/7	M.IV.e	7.7 Radicals in Fractions Chapter 7 Review Packet Semester One Review Packet	Chapter 7 Test		
WEEK #20 1/10 – 1/14 Finals: 1/11 – 1/13 Marking		Semester One Final Exam Review Packet	Semester One Final Exam		



## HOMEWOOD-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	OTHER
WEEK #1 1/17 – 1/21 No school: 1/17	M.VIII.b	8.1 Exponential Functions 8.2 – Exponents of Base 10 8.3 – Scientific Notation: Using Powers of 10 8.4 – Exponential Equations	Homework will be assigned for these sections	None	
WEEK #2 1/24 – 1/28 PLC day: 1/28	M.VIII.b	8.5 – The Number e, Base e 8.6 – Inverse Functions	Homework will be assigned for these sections	Chapter 8 Mid-Test	
WEEK #3 1/31 – 2/4	M.VIII.b	8.7 – Translation of Exponents and Logarithms 8.8 – Logarithmic Functions and Their Properties 8.9 - Logarithmic Equations	Homework will be assigned for these sections		
WEEK #4 2/7 – 2/11 PLC day:	M.V.f	9A.1 – Parent Functions	Homework will be assigned for these sections	Chapter 8 Test	



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2/11					
WEEK #5 2/14 – 2/18	M.V.f	*9A.2 – Translations *9A.3 – Reflections and Stretches/Shrinks	Homework will be assigned for these sections		
WEEK #6 2/21 – 2/25 No school: 2/21 PLC day: 2/25	M.V.f	*9A.4 – Non-Parent Functions	Homework will be assigned for these sections		
WEEK #7 2/28 – 3/4	M.V.e	9B.1 Equation of a Circle 9B.2 Vertex form of a Parabola 9B.3 Components of a Parabola	Homework will be assigned for these sections	Chapter 9A Test	
WEEK #8 3/7 – 3/11 No School: 3/7 & 3/8	M.VIII.c	10A.1 – Trigonometric Ratios of the Right Triangle 10A.2 – Degrees and Radians	Homework will be assigned for these sections	Chapter 9B Test	
WEEK #9 3/14 – 3/18 PLC day: 3/18	M.VIII.e	10A.3 – Special Angles 10A.4 – Basic Identities	Homework will be assigned for these sections	Chapter 10A Mid-Test	
WEEK #10	M.VIII.e	10A.5 – The Unit Circle –	Homework will be assigned	Chapter 10A Test	



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3/21 – 3/25 End of 1 <sup>st</sup> Quarter: 3/25		Trigonometric Functions 10A.6 – Inverse Trigonometric Functions	for these sections		
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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	10B.8 – Law of Sines 10B.9 – Law of Cosines	Homework will be assigned for these sections		
WEEK #12 4/11 – 4/15 PLC day: 4/15	M.IV.f	11.1 – The Fundamental Counting Principle 11.2 – Permutations 11.3 – Permutations: $n$ Objects $r$ at a Time	Homework will be assigned for these sections	Chapter 10B Mid-Test	
WEEK #13 4/18- 4/22 No school: 4/22	M.IV.f	11.3 – Permutations: $n$ Objects $r$ at a Time 11.4 – Combinations 11.5 – Samples with Replacements	Homework will be assigned for these sections		
WEEK #14 4/25 – 4/29 PSAE: 4/27 & 4/28	M.IV.f	11.6 – Basic Probability 11.7 – Binomial Theorem/Combination Formula	Homework will be assigned for these sections	Chapter 11A Test	
WEEK #15	M.IV.f	11.7 – Binomial Theorem/Combination	Homework will be assigned for these sections		



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



5/2 – 5/6 PLC day: 5/6		Formula 11.8 - Arithmetic Sequences and Series 11.9 – Geometric Sequences and Series 11.10 – Sigma Notation – Infinite Series			
WEEK #16 5/9 – 5/13	M.III.d	12.1 – Complex Number Plane 12.2 – Complex Numbers: Operations 12.3 – Complex Conjugates and Division	Homework will be assigned for these sections	Chapter 11B Test	
WEEK #17 5/16 – 5/20 PLC day: 5/20	M.VIII.c	12.5 – Addition and Subtraction of Functions 12.6 – Multiplication and Division of Functions	Homework will be assigned for these sections	Chapter 12 Mid-Test	
WEEK #18 5/23 – 5/27 Seniors’ last day: 5/26	M.VIII.c	12.8 – Composition of Functions Semester 2 Review	Homework will be assigned for these sections Semester 2 Review Packet	Chapter 12 Test	
WEEK #19 5/30 – 6/3 No school:				Semester 2 Exam	



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5/30 Final Exams: 5/31 – 6/2 Marking Day: 6/3					
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