



## HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



Semester 2 '11 – '12      Department: Mathematics      Course: Principles of Pre-Calculus      Instructor(s): Sokoloski, Morton  
 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 1/16 – 1/20 No school: 1/16	PC.2.1.1-2.1.4	4.1 Angles & Radian Measure 4.2 Trigonometric Functions: The Unit Circle	Homework will be assigned from these sections	None	
WEEK #2 1/23 – 1/27 PLC day: 1/27	PC.2.1.1-2.1.4	4.3 Right Triangle Trigonometry 4.4 Trigonometric Functions of Any Angle	Homework will be assigned from these sections	None	
WEEK #3 1/30 – 2/3	PC.2.1.6	4.8 Applications of Trigonometric Functions  <b>Unit 4A Test</b>	Homework will be assigned from these sections	Unt 4A Test	
WEEK #4 2/6 – 2/10 PLC day: 2/10	PC.2.1.5 PC.2.2.1	4.5 Graphs of Sine & Cosine Functions	Homework will be assigned from these sections	None	



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WEEK #5 2/13 – 2/17	PC.2.1.5 PC.2.2.1	4.6 Graph of Other Trigonometric Functions	Homework will be assigned from these sections	None	
WEEK #6 2/20 – 2/24 No school: 2/20 PLC day: 2/24		<b>Unit 4B Test</b>	Homework will be assigned from these sections	Unit 4B Test	
WEEK #7 2/27 – 3/2	PC.2.1.7 PC.2.2.4	5.1 Verifying Trigonometric Identities  5.2 Sum & Difference Formulas	Homework will be assigned from these sections	None	
WEEK #8 3/5 – 3/9 No School: 3/5 Institute Day 3/6	PC.2.1.7 PC.2.2.4	5.5 Trigonometric Equations	Homework will be assigned from these sections	None	
WEEK #9 3/12 – 3/16 PLC day: 3/16		<b>Unit 5 Test</b>	Homework will be assigned from these sections	Unit 5 Test	
WEEK #10 3/19 – 3/23 End of 3 <sup>rd</sup> Quarter: 3/23	M.VIII.e.4 M.VIII.c.2	6.1 The Laws of Sines 6.2 The Law of Cosines  6.6 Vectors (optional)	Homework will be assigned from these sections	None	



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WEEK #11 4/2 – 4/6 No School: 4/6		<b>Unit 6 Test</b>	Homework will be assigned from these sections	Unit 6 Test	
WEEK #12 4/9 – 4/13 PLC day: 4/13	PC.4.1.1 PC.4.1.2 PC.4.2.1	10.1 Sequences & Summation Notation 10.2 Arithmetic Sequences	Homework will be assigned from these sections	None	
WEEK #13 4/16- 4/20	PC.4.1.1 PC.4.1.2 PC.4.2.1 PC.4.2.2 M.III.f.2. M.II.e.3.	10.3 Geometric Sequences & Series 10.5 The Binomial Theorem	Homework will be assigned from these sections	None	
WEEK #14 4/23 – 4/27 PSAE: 4/24 & 4/25	M.II.e.3. M.II.e.4. M.II.f.3.	10.6 Counting Principle, Permutations, and Combinations 10.7 Probability	Homework will be assigned from these sections	None	
WEEK #15 4/30 – 5/4 PLC day: 5/4		<b>Unit 10 Test</b>	Homework will be assigned from these sections	Unit 10 Test	
WEEK #16		<b>College Entrance Exam Prep</b>	Homework will	None	



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5/7 – 5/11		1.2 & 1.3 Functions P.2 Exponents 2.1 Complex Numbers 8.1 Matrices (Basic Operations, Equations, Determinants)  Fractions, Decimals, & Percents	be assigned from these sections		
WEEK #17 5/14 – 5/18 PLC day: 5/18		Final Exam Review	Homework will be assigned from these sections		
WEEK #18 5/21 – 5/25 Seniors’ last day: 5/24		<b>Final Exams</b>	Homework will be assigned from these sections		
WEEK #19 5/28 – 6/1 No school: 5/28 Final Exams: 5/29 – 5/31 Marking Day: 6/1			None		