August 2013

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
5	6	7	8	9
12	13	14	15	16
Pre-Planning				
19	20	21	22	23
Formative 1 Baseline Window				
Unit 1 Core Instructional Benchmarks: MA.912.G.1.1: Find the lengths & midpoints of line segments, MA.912.G.8.1: Analyze the structure of Euclidean geometry as an axiomatic system.				
26	27	28	29	30
Formative 1 Baseline Window				
Unit 1 Core Instructional Benchmarks: **MA.912.G.4.2*: Define, identify, and construct altitudes, medians, angle bisectors, perpendicular bisectors, orthocenter, centroid, etc.				

September 2013

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
2 Labor Day Student/Teacher Holiday	3	4	5	6
	Mini-Lesson Benchmark: MA.912.G.2.5 Expain the derivation and apply formulas for perimeter and area of polygons			
	Unit 1 Core Instructional Benchmarks: MA.912.G.2.1 Identify and describe convex, concave, regular and irregular polygons, MA.912.G.2.5 Expain the derivation and apply formulas for perimeter and area of polygons			
9	10	11	12	13
Mini-Lesson Benchmark: MA.912.G.2.5 Expain the derivation and apply formulas for perimeter and area of polygons			**Mini-Lesson Benchmark:** MA.912.D.6.2: Find the converse, inverse, and contrapositive of a statement	
Unit 2 Core Instructional Benchmarks: MA.912.G.8.4: Make conjectures with justifications about geometric ideas, MA.912.D.6.2: Find the converse, inverse, and contrapositive of a statement				
16	17	18	19	20
Mini-Lesson Benchmark: MA.912.D.6.2: Find the converse, inverse, and contrapositive of a statement				**Mini-Assessment:** MA.912.G.2.5 MA.912.D.6.2
Unit 2 Core Instructional Benchmarks: MA.912.G.8.4: Make conjectures with justifications about geometric ideas, MA.912.D.6.4: Determine whether a short proof is logically valid, MA.912.G.8.5: Write geometric proofs				
23	24	25	26	27
Mini-Lesson Benchmark: MA.912.G.1.1: Find lengths of midpoints of line segments in two dimensional coordinate systems				
Unit 3 Core Instructional Benchmark: MA.912.G.1.3: Identify special angles pairs formed by parallel lines / transversals				

October 2013

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
30-September	1-October	2	3	4
Mini-Lesson Benchmark: MA.912.G.1.3: Identify special angles pairs formed by parallel lines & transversals				**Mini-Assessment:** MA.912.G.1.1 MA.912.G.1.3
Unit 3 Core Instructional Benchmark: MA.912.G.3.3: Use coordinate geometry to prove properties of congruent, regular, and similar quadrilaterals				
7	8	9	10	11
Mini-Lesson Benchmark: MA.912.G.3.3: Use coordinate geometry to prove properties of congruent, regular, and similar quadrilaterals				
Unit 4 Core Instructional Benchmarks: MA.912.G.2.2: Determine the measures of interior and exterior angles of polygons, justifying the method used, MA.912.G.2.3: Use properties of congruent and similar polygons				
14	15	16	17 - **End of 1st Quarter**	18
Mini-Lesson Benchmark: MA.912.G.3.3: Use coordinate geometry to prove properties of congruent, regular, and similar quadrilaterals			**Mini-Assessment:** MA.912.G.3.3	Professional Service Day: Student Holiday
Unit 4 Core Instructional Benchmark: MA.912.G.4.6: Prove that triangles are congruent or similar and use the concept of corresponding parts of congruent triangles				
21	22	23	24	25
Teacher Work Day Student Holiday	**Mini-Lesson Benchmarks:** MA.912.G.4.6: Prove that triangles are **congruent** or similar and use the concept of corresponding parts of congruent triangles			
	Unit 4 Core Instructional Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations, and scale factors) to polygons. Know that images formed by translations, reflections, and rotations are congruent to the original shape. Create and verify tessellations of the plane using polygons.			
28	29	30	31	
Mini-Lesson Benchmarks: MA.912.G.4.6: Prove that triangles are **congruent** or similar and use the concept of corresponding parts of congruent triangles				**Mini-Assessment:** MA.912.G.4.6
Unit 5 Core Instructional Benchmark: **MA.912.G.4.2*: Define, identify, and construct altitudes, medians, angle bisectors, perpendicular bisectors, orthocenter, centroid, incenter, and circumcenter (Lessons 5-1, through 5-3)				

November 2013

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
				1
Mini-Lesson Benchmarks: MA.912.G.4.6: Prove that triangles are **congruent** or similar and use the concept of corresponding parts of congruent triangles				**Mini-Assessment:** MA.912.G.4.6
Unit 5 Core Instructional Benchmark: **MA.912.G.4.2*: Define, identify, and construct altitudes, medians, angle bisectors, perpendicular bisectors, orthocenter, centroid, incenter, and circumcenter (Lessons 5-1, through 5-2)				
4	5	6	7	8
Mini-Lesson Benchmarks: MA.912.G.2.3: Use properties of congruent and similar polygons to solve mathematical or real-world problems				
Unit 5 Core Instructional Benchmark: MA.912.G.4.7: Apply the inequality theorems: triangle inequality, inequality in one triangle, and the Hinge theorem (Lessons 5-3 through 5-4)				
11 Veteran's Day: Teacher/Student Holiday	12	13	14	15
	Mini-Lesson Benchmarks: MA.912.G.2.2: Determine the measures of interior and exterior angles of polygons, justifying the method used.			**Mini-Assessment:** MA.912.G.2.3 MA.912.G.2.2
	Unit 5 Core Instructional Benchmark: MA.912.G.8.4: Make conjectures with justifications about geometric ideas (Lessons 5-5 through 5-6)			
18	19	20	21	22
Mini-Lesson Benchmark: MA.912.G.4.7: Apply the inequality theorems: triangle inequality, inequality in one triangle, and the Hinge theorem				
Unit 6 Core Instructional Benchmark: MA.912.G.2.3: Use properties of congruent and similar polygons to solve mathematical or real-world problems				
25	26	27	28	29
Thanksgiving Break: Teacher/Student Holiday				

December 2013

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
2	3	4	5	6
Mini-Lesson Benchmark: MA.912.G.4.7: Apply the inequality theorems: triangle inequality, inequality in one triangle, and the Hinge theorem				**Mini-Assessment:** MA.912.G.4.7
Unit 6 Core Instructional Benchmark: MA.912.G.4.6: Prove that triangles are congruent or similar and use the concept of corresponding parts of congruent triangles				
9	10	11	12	13
Mini-Lesson Benchmark: MA.912.G.5.1: Prove and apply the Pythagorean Theorem and its converse				
Unit 7 Core Instructional Benchmark: MA.912.G.5.1: Prove and apply the Pythagorean Theorem and its converse, MA.912.G.5.2: State and apply the relationships that exist when the altitude is drawn to the hypotenuse of a right triangle				
16	17	18	19	20
Mini-Lesson Benchmark: MA.912.G.5.1: Prove and apply the Pythagorean Theorem and its converse				**Mini-Assessment:** MA.912.G.5.1
Unit 7 Core Instructional Benchmark: MA.912.G.5.3: Use special right triangle s to solve problems				
23	24	25	26	27
Winter Break: Teacher/Student Holiday				
30	31			
Winter Break: Teacher/Student Holiday				

January 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
		1	2	3
Winter Break: Teacher/Student Holiday				
6	7	8	9	10
Mini-Lesson Benchmark: MA.912.G.5.4: Solve real-world problems involving right triangles				
Unit 7 Core Instructional Benchmark: MA.912.T.2.1: Define and use the trigonometric ratios (sine, cosine, tangent, cotangent, secant, cosecant) in terms of angles of right triangles, MA.912.G.5.4: Solve real-world problems involving right triangles				
13	14	15	16 - **End of 2nd Quarter**	17
Mini-Lesson Benchmark: MA.912.G.5.4: Solve real-world problems involving right triangles			**Mini-Assessment:** MA.912.G.5.4	Teacher Workday Student Holiday
Unit 7 Core Instructional Benchmark: MA.912.T.2.1: Define and use the trigonometric ratios (sine, cosine, tangent) in terms of angles of right triangles, MA.912.G.5.4: Solve real-world problems involving right triangles				
20 Martin Luther King Jr. Day: Teacher/Student Holiday	21	22	23	24
	Mini-Lesson Benchmark: MA.912.T.2.1: Define and use the trigonometric ratios (sine, cosine, tangent) in terms of angles of right triangles			
	Unit 8 Core Instructional Benchmark: MA.912.G.2.2: Determine the measures of interior and exterior angles of polygons, justifying the method used			
27	28	29	30	31
Mini-Lesson Benchmark: MA.912.T.2.1: Define and use the trigonometric ratios (sine, cosine, tangent) in terms of angles of right triangles				**Mini-Assessment:** MA.912.T.2.1
Unit 8 Core Instructional Benchmark: MA.912.G.3.4: Prove theorems involving quadrilaterals				

February 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
27 - January	28	29	30	31
Mini-Lesson Benchmark: MA.912.T.2.1: Define and use the trigonometric ratios (sine, cosine, tangent) in terms of angles of right triangles				**Mini-Assessment:** MA.912.T.2.1
Unit 8 Core Instructional Benchmark: MA.912.G.3.4: Prove theorems involving quadrilaterals				
3 - February	4	5	6	7
Mini-Lesson Benchmark: MA.912.G.3.4: Prove theorems involving quadrilaterals				
Unit 8 Core Instructional Benchmark: MA.912.G.3.3: Use coordinate geometry to prove properties of congruent, regular, and similar quadrilaterals , MA.912.G.3.1: Describe, classify, and compare relationships among quadrilaterals including the square, rectangle, rhombus, parallelogram, trapezoid, and kite				
10	11	12	13	14
Mini-Lesson Benchmark: MA.912.G.3.4: Prove theorems involving quadrilaterals				**Mini-Assessment:** MA.912.G.3.4
Unit 9 Core Instructional Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations) to polygons. Know that images formed by translations, reflections, rotations are congruent to original shape.				
17	18	19	20	21
Mini-Lesson Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations, and scale factors) to polygons. Know that imagesformed by translations, reflections, and rotations are congruent.				Rodeo Day: Teacher/Student Holiday
Unit 9 Core Instructional Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations) to polygons. Know that images formed by translations, reflections, rotations are congruent.				
24	25	26	27	28
Mini-Lesson Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations, and scale factors) to polygons. Know that imagesformed by translations, reflections, and rotations are congruent to the original.				**Mini-Assessment:** MA.912.G.2.4
Unit 11 Core Instructional Benchmark: MA.912.G.2.5: Explain the derivation and apply formulas for perimeter and area of polygons (triangles, quadrilaterals, pentagons, etc.)				

March 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
24 - February	25	26	27	28
Mini-Lesson Benchmark: MA.912.G.2.4: Apply transformations (translations, reflections, rotations, dilations, and scale factors) to polygons. Know that imagesformed by translations, reflections, and rotations are congruent to the original.				**Mini-Assessment:** MA.912.G.2.4
Unit 11 Core Instructional Benchmark: MA.912.G.2.5: Explain the derivation and apply formulas for perimeter and area of polygons (triangles, quadrilaterals, pentagons, etc.)				
3 - March	4	5	6	7
Mini-Lesson Benchmark: MA.912.G.7.1: Describe and make regular, non-regular, and oblique polyhedra, and sketch the net for a given polyhedron and vice versa				
Unit 12 Core Instructional Benchmarks: MA.912.G.7.1: Describe and make regular, non-regular, and oblique polyhedra, and sketch the net for a given polyhedron and vice versa				
10	11	12	13	14
Mini-Lesson Benchmark MA.912.G.7.5: Explain and use formulas for lateral area, surface area, and volume of solids				
Unit 12 Core Instructional Benchmarks: MA.912.G.7.5: Explain and use formulas for lateral area, surface area, and volume of solids				
17	18	19	20	21 - **End of 3rd Quarter**
Mini-Lesson Benchmark: MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids				
Unit 12 Core Instructional Benchmark: MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids				
24	25	26	27	28
Spring Break: Teacher/Student Holiday				

April 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
31 - March Teacher Workday Student Holiday	1 - April **Mini-Lesson Benchmark:** MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids **Unit 12 Core Instructional Benchmark:** MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids	2	3	4
7 **Mini-Lesson Benchmark:** MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids **Unit 12 Core Instructional Benchmark:** MA.912.G.7.7: Determine how changes in dimensions affect the surface area and volume of common geometric solids	8	9	10	11 **Mini-Assessment:** MA.912.G.7.1 MA.912.G.7.5 MA.912.G.7.7
14 **Mini-Lesson Benchmark:** MA.912.G.8.4: Make conjectures with justifications about geometric ideas. **Unit 10 Core Instructional Benchmark:** MA.912.G.6.2: Define and identify: circumference, radius, diameter, arc, arc length, chord, secant, tangent and concentric circles, MA.912.G.6.4: Determine and use measures of arcs and related angles (central, inscribed, and intersections of sec and tan)	15	16	17	18
21 **Mini-Lesson Benchmark:** MA.912.G.8.4: Make conjectures with justifications about geometric ideas. **Unit 10 Core Instructional Benchmark:** MA.912.G.6.6: Given the center and the radius, find the equation of a circle in the coordinate plane or given the equation of a circle in center-radius form, state the center and the radius of the circle	22	23	24	25 **Mini-Assessment:** MA.912.G.8.4
28 **Mini-Lesson Benchmark:** MA.912.G.6.6: Given the center and the radius, find the equation of a circle in the coordinate plane or given the equation of a circle in center-radius form, state the center and radius of a circle. **Unit 11 Core Instructional Benchmark:** MA.912.G.6.5: Solve real-world problems using measures of circumference, arc length, and areas of circles and sectors	29	30		

May 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
Mini-Lesson Benchmark: MA.912.G.6.6: Given the center and the radius, find the equation of a circle in the coordinate plane or given the equation of a circle in center-radius form, state the center and radius of a circle.				
Unit 11 Core Instructional Benchmark: MA.912.G.6.5: Solve real-world problems using measures of circumference, arc length, and areas of circles and sectors				
5	6	7	8	9
Mini-Lesson Benchmark: MA.912.G.6.5: Solve real-world problems using measures of circumference, arc length, and areas of circles and sectors				**Mini-Assessment:** MA.912.G.6.6 MA.912.G.6.5
Review for Geometry EOC				
12	13	14	15	16
Review for Geometry EOC				
19	20	21	22	23
< - Geometry EOC - >				
26 Memorial Day: Teacher/Student Holiday	27	28	29	30
	Geometry Review / Algebra 2 Preview			

June 2014

Geometry FCIM Calendar
Gateway High School

Monday	Tuesday	Wednesday	Thursday	Friday
2	3	4	5 - **End of 4th Quarter**	6 Post-Planning Last day for teachers
Geometry Review / Algebra 2 Preview				
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27