Curriculum Map for Geometry CL 2010-2011 (new curriculum)				
	Semester 1	**E: Essential I: Important C: cursory**		
Chapter 1 Tools of Geometry : overall intro of ideas				
Section	**Topic**	**Previous Book**	**PE**	**Notes**
1.1 Imp	Points, Lines, Planes, Rays, and Segments	3.1		estimated days:
1.2 Imp	Name & Classify angles, duplicate and bisect	3.2, 5.6		book: 9
				test: 2
1.3 Imp	Complements, Supplements, Midpoints,	3.2, 4.6,	G.2.C, G.4.B	computer: 0
	Perpendicular & Perp bisectors	5.6		
1.4 Imp	Two methods of logical reasoning		G.1.A	Total: 11
1.5 Imp	Conditional statements, Postulates, Theorems	5.2	G.1.A,G.1.F	
1.6 Imp	Paragraph, two-column, construction	5.2, 5.3	G.I.F	**sem to date:11**
	and flow chart Proofs			
Chapter 2 Parallel and Perpendicular Lines				
2.1 Ess	Angles from transversals, parallel and	5.1	G.1.F, G.2.A	
	non-lines			
2.2 Ess	Congectures about angles formed by	5.1	G.2.B	book: 9
	parallel lines cut by transversal			test: 2
2.3 Ess	Theorems: alt. int angles, alt ex angles	5.2	G.2.B	computer: 4
	same-side int and ext angles			
2.4 Ess	Parallel Line Converse Theorems	5.3	G.2.B, G.2.C	Total: 15
2.5 Imp	Naming Geometric Figures	1.1, 3.4	G.1.F	
2.6 Imp	Classifying Triangles & Quadrilaterals	3.3, 9.1	G.3.A,G.3.G	**sem to date:26**
			(G.1.B)	
Chapter 3 Perimeter and Area (appears in 5th & 6th grade PE's)				
3.1 Imp	Area & Perimeter of rectangles and squares	1.1, 1.2	prior grades	
3.2 Imp	Area of parallelograms and triangles	1.2, 1.3	G.3.F, G.4.C	book: 6
				test: 2
3.3 Imp	Area of trapezoid	1.4	G.3.G	computer: 3
3.4 Imp	Area of regular polygons	1.5	G.3.G	Total: 11
3.5 Imp	Area & circumference of circle	1.6	G.3.G	
3.6 Imp	Area & perimeter of composite figures	1.7	G.3.G	**sem to date:37**

Chapter 4 Rigt Triangle Geometry				
Section	**Topic**	**Previous Book**	**PE**	**Notes**
4.1 Ess	Theorems: triangle sum, exterior angle	3.3	G.3.A	
	and exterior angle inequality			book: 11
4.2 Ess	Simplify radicals, pythagorean theorem	4.1, 4.2	G.3.D	test: 2
	& converse			computer: 4
4.3 Ess	Properties of 45-45-90 Triangle	4.3	G.3.C, G.4.C	
				Total: 17
4.4 Ess	Properties of 30-60-90 Triangle	4.4	G.3.C, G.4.C	
4.5 Ess	The triangle inequality theorem	3.5	G.3.A	**sem to date:54**
Chapter 5 Similarity				
5.1 Imp	Review of Ratio and Proportion	7.1	prior grades	
				book: 7
5.2 Imp	Similar Polygons	7.2	G.3.B	test: 2
				computer: 3
5.3 Imp	Similar Triangle Postulates	7.3	G.3.A, G.3.B	
				Total: 12
5.4 Imp	Angle/Bisector/Proportional Side Theorem	7.3	G.3.A, G.3.B	
5.5 Imp	Similar Right Triangles	7.3?	G.3.A, G.3.B	**sem to date:66**
5.6 Imp	Application of Similar Triangles	7.4	G.3.A, G.3.B	
Chapter 6 Congruence				
6.1 Ess	Constructing Triangles	new	G.3.A	
				book: 8
6.2 Ess	SSS,SAS,ASA,AAS, or AAS	8.2, 8.3	G.3.A, G.3.B	test: 2
				computer: 2
6.3 Imp	HL, LL, HA, and LA	8.4	G.3.A, G.3.B	
				Total: 12
6.4 Imp	Corresponding Parts of Congruent Triangles	8.3, 8.4	G.1.C	
	are congruent			
6.5 ?	Theorems: triangle Base, vertex angle, perpen	new or 5.6	unclear	**sem to date:78**
	bisector, Alt to congru sides & angle bisector			
6.6 ?	Inverse, Contrapositive, Direct & indirect proof	new	G.1.D	
	End of semester 1(end of Jan) Days remain for semester review, test and flex days			

Chapter 7 Right Triangle Trigonometry				
Section	**Topic**	**Previous Book**	**PE**	**Notes**
7.1 Imp	Tangent, Cotangent and Inverse Tangent	11.1	G.3.E	Book: 4
				Test: 2
7.2 Imp	Sine, Cosecant and Inverse Sine	11.2	G.3.E	Computer: 2
7.3 Imp	Cosine, Secant and Inverse Cosine	11.3	G.3.E	Total: 8
7.4 curs	Angles of Elevation and Depression	11.4	G.3.E	**sem to date: 8**
	(good application to use as desired)			
Chapter 8 Quadrilaterals				
8.1 Ess	Properties of Rectangles and Squares	9.4	G.3.F	
				Book: 8
8.2 Ess	Properties of Parallelograms and Rhombi	9.3	G.3.F	Test: 2
				Computer: 3
8.3 Ess	Properties of Kites and Trapezoids	9.2	G.3.G	
				Total: 13
8.4 Ess	Concave, Convex, Regular, Irregular and	9.5	G.3.G	
	sum of interior angles of a polygon			
8.5 Imp	Sum of the exterior angles of a polygon	9.6	G.3.G	
				sem to date:21
8.6 Imp	Relating various quadrilaterals by properties	9.7		
Chapter 9 Geometry in the Coordinate Plane				
9.1 Imp	Parallel / Perpendicular lines in coordinate	5.4	G.2.C, G.4.A	
				Book: 7
9.2 Ess	The distance formula	4.5	G.3.D, G.4.B	Test: 2
			G.4.C	computer: 4
9.3 Ess	The Midpoint formula	4.6	G.4.B	
				Total: 13
9.4 Imp	Exploring triangles & midpoints in the	5.5	G.4.C	
	coordinate plane			
9.5 curs	Points of concurrency in the coordinate plane	5.7		**sem to date:34**
9.6 Imp	Quadrilaterals in the coordinate plane	9.7	G.4.C	
Chapter 10 Transformations (all are done in 8th PE's)				
				Book: 6
10.1 Ess	Reflections	6.1	G.5. A,B,C,D	Test: 2
10.2 Ess	Rotations	6.2	same	Computer: 2
10.3 Ess	Translations	6.3	same	
10.4 Ess	Dilations	6.4	same	Total: 10
10.5 Ess	Symmetry	6.5	G.5.D	
10.6 curs	Tessellations & Fractals	9.1/8.5		**Sem to date:44**

Chapter 11 Circles				
Section	**Topic**	**Previous Book**	**PE**	**Notes**
11.1 Ess	Introduction to Circles	10.1	G.3.I	
				Book: 14
11.2 Ess	Central , inscribed and intercepted angles	10.2	G.3. H,I (G.6.A)	Test: 2
				Computer: 0
11.3 Ess	Measuring Angles inside and outside	10.3	G.3.H,I	
	of circles			Total: 16
11.4 Ess	Chords and circles	10.4	G.1.D, G.3.I	
11.5 Ess	Tangents and circles	10.5	G.3.H,I (G.6.A)	**sem to date:60**
11.6 Ess	Inscribed and circumscribed triangles & quads	10.6	G.6.A	
11.7 Ess	arc length	10.7	G.3.H, G.6.A	
11.8 Ess	sectors & segments of a circle	10.7	G.3.H, G.6.A	
11.9 Ess	circles and polygons in the coordinate plane		G.4.D	
Chapter 12 Volume and Surface Area				
12.1 Ess	Nets and Polyhedra	new	G.3.J	Book: 9
				Test: 2
12.2 Ess	Volume and surface area of a prism	2.2, 2.3	G.6.C D	Computer: 7
12.3 Ess	Volume and surace area of a pyramid	2.4, 2.5	same	Total: 18
12.4 Ess	Volume and surface area of a cylinder	2.6	same	
12.5 Ess	Volume and surface area of a cone	2.7	same	**sem to date 78**
12.6 Ess	Volume and surface area of a sphere	2.8	same	
Chapter 13 Extensions in Area and Volume				
13.1	Cross Sections		G.3.K	1 or 2 days
				sem to date:80
	end of year with days for review, final and state test and flex days			
	Where does this curriculum cover?	G.2.D		
		G.6.B		
		G.6.E		
		G.6.F		