

TCS - GSE Geometry - 1st Nine Weeks 2023 - 2024

Unit 1 - Polynomial Expressions

	1	Unit 1	8/7	2	Unit 1	8/8	3	Unit 1	8/9	4	Unit 1	8/10	5	Unit 1	8/11
AUG	Syllabus & Classroom Rules			Non-Curricular TASK			Non-Curricular TASK			Non-Curricular TASK			Non-Curricular TASK		
AUG	6	Unit 1	8/14	7	Unit 1	8/15	8	Unit 1	8/16	9	Unit 1	8/17	10	Unit 1	8/18
	1.1 Describing and Classifying Polynomials G.PAR.2.1; G.MM.1.1; G.MM.1.4			1.1 Describing and Classifying Polynomials G.PAR.2.1; G.MM.1.1; G.MM.1.4			1.2 Adding & Multiplying Polynomials G.PAR.2.1; G.MM.1.1; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3			1.2 Adding & Multiplying Polynomials G.PAR.2.1; G.MM.1.1; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3			1.3 Interpreting Algebraic Expressions G.PAR.2.1; G.MM.1.1; G.MM.1.4		
AUG	11	Unit 1	8/21	MAKE-UP DAY			13	Unit 1	8/23	14	Unit 1	8/24	15	Unit 1	8/25
	1.3 Interpreting Algebraic Expressions G.PAR.2.1; G.MM.1.1; G.MM.1.4						1.4 Polynomials in Geometric Context A.GSR.3.1, A.GSR.3.2 (this topic will move to Algebra 1 after this year)			1.5 Classroom Design Quiz (Google Doc) G.MM.1.1; G.MM.1.2; G.MM.1.3; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3			1.5 Classroom Design Quiz (Google Doc) G.MM.1.1; G.MM.1.2; G.MM.1.3; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3		
AUG SEP	16	Unit 1	8/28	17	Unit 1	8/29	18	Unit 1	8/30	19	Unit 1	8/31	20	Unit 1	9/1
	1.6 Outdoor Learning Space G.MM.1.1; G.MM.1.2; G.MM.1.3; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3			1.6 Outdoor Learning Space G.MM.1.1; G.MM.1.2; G.MM.1.3; G.MM.1.4; G.PAR.2.1; G.PAR.2.2; G.PAR.2.3			REVIEW			Summative Assessment			Summative Assessment/Make-Up Day		

Unit 2 - Geometric Foundations, Construction and Proof

	*	9/4	21	Unit 2	9/5	22	Unit 2	9/6	23	Unit 2	9/7	24	Unit 2	9/8	
SEP	LABOR DAY HOLIDAY		2.1 Vocabulary Chart G.MM.1.4, G.GSR.4.1, G.GSR.4.3			2.1 The Fundamentals of Geometry G.MM.1.4, G.GSR.4.1, G.GSR.4.3			2.1 The Fundamentals of Geometry G.MM.1.4, G.GSR.4.1, G.GSR.4.3			Formative Assessment			
SEP	25	Unit 2	9/11	26	Unit 2	9/12	27	Unit 2	9/13	28	Unit 2	9/14	29	Unit 2	9/15
	2.2 Challenges from Ancient Greece G.MM.1.4, G.GSR.4.3, G.GSR.4.4			2.2 Challenges from Ancient Greece G.MM.1.4, G.GSR.4.3, G.GSR.4.4			Slope/Distance Formula Review			Designing a Garden G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.4.2			Designing a Garden G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.4.2		
SEP	30	Unit 2	9/18	31	Unit 2	9/19	32	Unit 2	9/20	33	Unit 2	9/21	34	Unit 2	9/22
	Lines, Transversals, and Angles G.MM.1.2, G.MM.1.4, G.GSR.4.3, G.GSR.4.5			REVIEW			Summative Assessment			Summative Assessment			MAKE-UP DAY		
SEP	35	Unit 2	9/25	36	Unit 2	9/26	37	Unit 2	9/27	38	Unit 2	9/28	39	Unit 2	9/29
	Congruent Triangles and Tessellations G.MM.1, G.GSR.3.3, G.GSR.3.4, G.MP			Congruent Triangles and Tessellations G.MM.1, G.GSR.3.3, G.GSR.3.4, G.MP			Tessellation Task			Tessellation Task			Tessellation Task/Make-up Day		
OCT	40	10/2	41	10/3	42	10/4	43	10/5	44	10/6					
	BENCHMARK REVIEW		BENCHMARK REVIEW		BENCHMARK REVIEW		BENCHMARK REVIEW		BENCHMARK						
OCT	*	10/9	*	10/10	*	10/11	*	10/12	*	10/13					
	FALL BREAK														

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Unit 3 - Congruence															
OCT	44	Unit 3	10/16	45	Unit 3	10/17	46	Unit 3	10/18	47	Unit 3	10/19	48	Unit 3	10/20
	Congruent Triangles and Tessellations G.MM.1 , G.GSR.3.3 , G.GSR.3.4 , G.MP		Congruent Triangles and Tessellations G.MM.1 , G.GSR.3.3 , G.GSR.3.4 , G.MP		Coordinating Translations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP		Coordinating Translations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP		Evaluating Conditions for Congruency G.MM.1 , G.GSR.3.4 , G.MP						
OCT	49	Unit 3	10/23	50	Unit 3	10/24	51	Unit 3	10/25	52	Unit 3	10/26	53	Unit 3	10/27
	Evaluating Conditions for Congruency G.MM.1 , G.GSR.3.4 , G.MP		Evaluating Conditions for Congruency G.MM.1 , G.GSR.3.4 , G.MP		Introducing Congruence G.MM.1 , G.GSR.3.4 , G.MP		Introducing Congruence G.MM.1 , G.GSR.3.4 , G.MP		Introductions to Translations, Reflections, and Rotations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.MP						
NOV	54	Unit 3	10/30	55	Unit 3	10/31	56	Unit 3	11/1	57	Unit 3	11/2	58	Unit 3	11/3
	Introductions to Translations, Reflections, and Rotations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.MP		Mirrored Mappings G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP		Mirrored Mappings G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP		Formative Assessment		Representing and Combining Transformations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP						
NOV	59	Unit 3	11/6	60	Unit 3	11/7	61	Unit 3	11/8	62	Unit 3	11/9	63	Unit 3	11/10
	Representing and Combining Transformations G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.GSR.3.3 , G.MP		Transformation Golf: Rigid Motion G.MM.1 , G.GSR.3.1 , G.GSR.3.2 , G.MP (needs an extra day)		REVIEW		Summative Assessment		Summative Assessment						
Unit 4 - Similarity															
NOV	64	Unit 4	11/13	65	Unit 4	11/14	66	Unit 4	11/15	67	Unit 4	11/16	68	Unit 4	11/17
	Sketchy Dilations (Desmos) G.GSR.5.1 , G.MM.1.1 , G.MM.1.4 , G.MP		Sketchy Dilations (Desmos) G.GSR.5.1 , G.MM.1.1 , G.MM.1.4 , G.MP		Executing Dilations G.MM.1.1 , G.MM.1.4 , G.GSR.5.1 , G.GSR.5.2		Executing Dilations G.MM.1.1 , G.MM.1.4 , G.GSR.5.1 , G.GSR.5.2		Formative Assessment						
NOV	*		11/20	*		11/21	*		11/22	*		11/23	*		11/24
	THANKSGIVING HOLIDAYS														
NOV DEC	69	Unit 4	11/27	70	Unit 4	11/28	71	Unit 4	11/29	72	Unit 4	11/30	73	Unit 4	12/1
	Similar Triangles G.GSR.5.1 , G.GSR.5.2 , G.GSR.5.3 , G.MM.1.1 , G.MM.1.4 , G.MP		Similar Triangles G.GSR.5.1 , G.GSR.5.2 , G.GSR.5.3 , G.MM.1.1 , G.MM.1.4 , G.MP		Shadow Math G.MM.1.1 , G.MM.1.3 , G.MM.1.4 , G.GSR.5.3 , G.MP		Shadow Math G.MM.1.1 , G.MM.1.3 , G.MM.1.4 , G.GSR.5.3 , G.MP		Proportionality (Side Splitter) Theorem G.MM.1.1 , G.MM.1.3 , G.MM.1.4 , G.GSR.5.3 , G.MP						
DEC	74	Unit 4	12/4	75	Unit 4	12/5	76	Unit 4	12/6	77	Unit 4	12/7	78	Unit 4	12/8
	Triangle Proportionality (Side Splitter) Theorem G.MM.1.1		Triangle Proportionality Midsegment Theorem G.MM.1.1		Triangle Proportionality Midsegment Theorem G.MM.1.1		Formative Assessment		Proving Pythagorean Theorem Using Triangle Similarity G.MM.1.1						
DEC	79	Unit 4	12/11	80	Unit 4	12/12	81	Unit 4	12/13	82	Unit 4	12/14	83	Unit 4	12/15
	Proving Pythagorean Theorem Using Triangle Similarity G.MM.1.1 , G.MM.1.2		Triangle Angle Bisector Theorem - Geogebra G.MM.1.1 , G.MM.1.2		Triangle Angle Bisector Theorem - Geogebra G.MM.1.1 , G.MM.1.2		Solving Geometry Problems: Floodlights G.MM.1.1 , G.MM.1.2		Solving Geometry Problems: Floodlights G.MM.1.1 , G.MM.1.2						
DEC	*		12/18	*		12/19	*		12/20	*		12/21	*		12/22
	REVIEW		Summative Assessment		BENCHMARK REVIEW		BENCHMARK		WINTER HOLIDAYS BEGINS						

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Unit 5 - Right Triangle Trigonometry									
	* 1/1	84	1/2	85	1/3	86	1/4	87	1/5
JAN	WINTER HOLIDAYS							TEACHER WORK DAY	
JAN	88 Unit 5 1/8 Formative Assessment Lesson: Proofs of the Pythagorean Theorem G.GSR.6.1, G.GSR.6.2, G.GSR.6.3, G.MM.1.1	89 Unit 5 1/9 Formative Assessment Lesson: Proofs of the Pythagorean Theorem G.GSR.6.1, G.GSR.6.2, G.GSR.6.3, G.MM.1.1	90 Unit 5 1/10 Formative Assessment Lesson: Proofs of the Pythagorean Theorem G.GSR.6.1, G.GSR.6.2, G.GSR.6.3, G.MM.1.1	91 Unit 5 1/11 Pythagorean Triples G.MM.1.1, G.MM.1.4, G.GSR.6.1, G.GSR.6.2, G.GSR.6.3, G.MP	92 Unit 5 1/12 Pythagorean Triples G.MM.1.1, G.MM.1.4, G.GSR.6.1, G.GSR.6.2, G.GSR.6.3, G.MP				
JAN	* 1/15	93 Unit 5 1/16 Discovering Special Triangles Learning Task G.MM.1.1, G.MM.1.4, G.GSR.6.1, G.MP	94 Unit 5 1/17 Discovering Special Triangles Learning Task G.MM.1.1, G.MM.1.4, G.GSR.6.1, G.MP	95 Unit 5 1/18 Right Triangles and Trigonometry G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.6.1, G.GSR.6.3, G.MP	96 Unit 5 1/19 Right Triangles and Trigonometry G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.6.1, G.GSR.6.3, G.MP				
JAN	97 Unit 5 1/22 Access Ramp G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.6.3, G.MP	98 Unit 5 1/23 Access Ramp G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.6.3, G.MP	REVIEW		Summative Assessment		Summative Assessment		
Unit 6 - Circles									
JAN FEB	102 Unit 6 1/29 Circles and Their Relationships Among Central Angles, Arcs, and Chords G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	103 Unit 6 1/30 Circles and Their Relationships Among Central Angles, Arcs, and Chords G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	104 Unit 6 1/31 Circles and Their Relationships Among Central Angles, Arcs, and Chords G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	105 Unit 6 2/1 Tangents Intersecting a Radius G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	106 Unit 6 2/2 Tangents Intersecting a Radius G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP				
FEB	107 Unit 6 2/5 Tangents Intersecting a Radius G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	108 Unit 6 2/6 Angles and Circles G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	109 Unit 6 2/7 Angles and Circles G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	110 Unit 6 2/8 Angles and Circles G.MM.1.1, G.MM.1.4, G.GSR.8.1, G.MP	Formative Assessment				
FEB	112 Unit 6 2/12 Cyclic Quadrilaterals G.MM.1.1, G.MM.1.3, G.MM.1.4	113 Unit 6 2/13 Cyclic Quadrilaterals G.MM.1.1, G.MM.1.3, G.MM.1.4	114 Unit 6 2/14 Inscribing and Circumscribing Right Triangles G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP	115 Unit 6 2/15 Inscribing and Circumscribing Right Triangles G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP	116 Unit 6 2/16 Inscribing and Circumscribing Right Triangles G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP				
FEB	117 Unit 6 2/19 Interior and Exterior Angles in Circles G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP	118 Unit 6 2/20 Interior and Exterior Angles in Circles G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP	119 Unit 6 2/21 Interior and Exterior Angles in Circles G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.1, G.MP	120 Unit 6 2/22 Arcs, Strings, and Radii G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.2, G.MP	121 Unit 6 2/23 Arcs, Strings, and Radii G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.2, G.MP				
FEB MAR	122 Unit 6 2/26 Arcs, Strings, and Radii G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.2, G.MP	123 Unit 6 2/27 Arc Length and Area of Sector G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.2, G.GSR.7.1, G.MP	124 Unit 6 2/28 Arc Length and Area of Sector G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.2, G.GSR.7.1, G.MP	125 Unit 6 2/29 Sorting Equations of Circles G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.3, G.MP	126 Unit 6 3/1 Sorting Equations of Circles G.MM.1.1, G.MM.1.2, G.MM.1.3, G.MM.1.4, G.GSR.8.3, G.MP				
MAR	REVIEW		Summative Assessment		REVIEW		Benchmark		TEACHER WORK DAY
	127 3/4	128 3/5	129 3/6	130 3/7	* 3/8				

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Unit 7 - Equations and Measurement					
MAR	131 <i>Unit 7</i> 3/11	132 <i>Unit 7</i> 3/12	133 <i>Unit 7</i> 3/13	134 <i>Unit 7</i> 3/14	135 <i>Unit 7</i> 3/15
	The Largest Container - Problems Using Volume and Shape G.GSR.9.1,	The Largest Container - Problems Using Volume and Shape G.GSR.9.1,	Pyramids and Cones G.MM.1.1, G.MM.1.4, G.GSR.9.1, G.GSR.9.2, G.MP	Pyramids and Cones G.MM.1.1, G.MM.1.4, G.GSR.9.1, G.GSR.9.2, G.MP	Building Sculptures G.GSR.9.2, G.MM.1.1, G.MM.1.4, G.MP
MAR	136 <i>Unit 7</i> 3/18	137 <i>Unit 7</i> 3/19	138 <i>Unit 7</i> 3/20	139 <i>Unit 7</i> 3/21	140 <i>Unit 7</i> 3/22
	Building Sculptures G.GSR.9.2, G.MM.1.1, G.MM.1.4, G.MP	Building Sculptures G.GSR.9.2, G.MM.1.1, G.MM.1.4, G.MP	Density G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.9.3, G.MP	Density G.MM.1.1, G.MM.1.3, G.MM.1.4, G.GSR.9.3, G.MP	REVIEW
MAR	141 <i>Unit 7</i> 3/25	142 <i>Unit 7</i> 3/26	143 <i>Unit 7</i> 3/27	144 <i>Unit 7</i> 3/28	145 <i>Unit 7</i> 3/29
	REVIEW	Summative Assessment	Summative Assessment	MAKE-UP DAY	MAKE-UP DAY
APR	* 4/1	* 4/2	* 4/3	* 4/4	* 4/5
	SPRING BREAK				
Unit 8 - Probability & Statistics					
APR	146 <i>Unit 8</i> 4/8	147 <i>Unit 8</i> 4/9	148 <i>Unit 8</i> 4/10	149 <i>Unit 8</i> 4/11	150 <i>Unit 8</i> 4/12
	How Odd? G.MM.1.1, G.MM.1.4, G.GSR.10.1, G.MP	How Odd? G.MM.1.1, G.MM.1.4, G.GSR.10.1, G.MP	How Odd? G.MM.1.1, G.MM.1.4, G.GSR.10.1, G.MP	The Conditions are Right G.MM.1.1, G.MM.1.4, G.GSR.10.2, G.MP	The Conditions are Right G.MM.1.1, G.MM.1.4, G.GSR.10.2, G.MP
APR	151 <i>Unit 8</i> 4/15	152 <i>Unit 8</i> 4/16	153 <i>Unit 8</i> 4/17	154 <i>Unit 8</i> 4/18	155 <i>Unit 8</i> 4/19
	The Conditions are Right G.MM.1.1, G.MM.1.4, G.GSR.10.2, G.MP	Combinations and Permutations Task G.MM.1.1, G.MM.1.4, G.GSR.10.4, G.MP	Combinations and Permutations Task G.MM.1.1, G.MM.1.4, G.GSR.10.4, G.MP	Georgia Lottery G.MM.1.1, G.MM.1.4, G.GSR.10.5, G.GSR.10.8, G.MP	Georgia Lottery G.MM.1.1, G.MM.1.4, G.GSR.10.5, G.GSR.10.8, G.MP
APR	156 <i>Unit 8</i> 4/22	157 <i>Unit 8</i> 4/23	158 <i>Unit 8</i> 4/24	159 <i>Unit 8</i> 4/25	160 <i>Unit 8</i> 4/26
	Independent and Dependent Events Task G.MM.1.1, G.MM.1.3,	Independent and Dependent Events Task G.MM.1.1, G.MM.1.3,	Theoretical and Experimental Probability G.MM.1.1, G.MM.1.3,	Theoretical and Experimental Probability G.MM.1.1, G.MM.1.3,	Theoretical and Experimental Probability G.MM.1.1, G.MM.1.3,
MAY	161 <i>Unit 8</i> 4/29	162 <i>Unit 8</i> 4/30	163 <i>Unit 8</i> 5/1	164 <i>Unit 8</i> 5/2	165 <i>Unit 8</i> 5/3
	Mega Millions Learning Task G.MM.1.1, G.MM.1.2, G.MM.1.3,	Mega Millions Learning Task G.MM.1.1, G.MM.1.2, G.MM.1.3,	Compound Confusion G.MM.1.1, G.MM.1.2, G.MM.1.3,	Compound Confusion G.MM.1.1, G.MM.1.2, G.MM.1.3,	Compound Confusion G.MM.1.1, G.MM.1.2, G.MM.1.3,
Unit 9 - Culminating Capstone Unit					
MAY	166 <i>Unit 9</i> 5/6	167 <i>Unit 9</i> 5/7	168 <i>Unit 9</i> 5/8	169 <i>Unit 9</i> 5/9	170 <i>Unit 9</i> 5/10
	REVIEW	Summative Assessment	Summative Assessment		
MAY	171 5/13	172 5/14	173 5/15	174 5/16	175 5/17
			BENCHMARK REVIEW	BENCHMARK	LAST DAY OF SCHOOL