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| 6/10 AM 3 | 6/11 AM 3 | 6/12 AM 3 | 6/13 AM 3 | 6/14 AM 3 |
| Ch.1Introductions1.1 Point/Line/Plane, given a diagram describe it, given a description, draw it.1.2 Seg. Add. Post., addition and subtraction, algebra, CSE(copy seg.)1.3 Distance/MP formula, MP prop. | Ch.1Review1.5 Angle Add. Post, adjacent and overlapping angles, algebra, CSE(copy angle) CSE(bisect angle), use protractor to draw diagrams.**GeoCache Activity**1.6 Comp/Supp angles, linear/vertical | Ch.22.1 Conditionals, 4 forms, biconditional statements, truth tables\*2.2 Counter-examples, Law of Detachment, Law of Syllogism  | Ch.2Review2.6 More proofs with geometric objects: linear pairs, vertical angles. Bridge building proofs, substitution proofs. | Ch.33.1 Transversal angle relationships, identify them3.2 Parallel angle relationships, solve for missing angles, algebra, switching transversals |
| 6/10 PM 3.5 | 6/11 PM 3.5 | 6/12 PM 3.5 | 6/13 PM 3.5 | 6/14 PM 3.5 |
| Ch.11.3 Distance/MP formula, MP prop1.4 Perim/Area on CP1.5 Angle Add. Post/CSE(copy angle) CSE(bisect angle), use protractor | Ch.1Review / ProjectExam 1BEST PPT1.2 / 1.3 / 1.5 | Ch.22.4 Algebraic properties/proofs: distributive, substitution, reflexive, symmetric, transitive. 2.5 Geometric proofs using segment addition and angle addition | Ch.2Review / ProjectExam 2BEST PPT2.1 / 2.2 / 2.6 | Ch.33.3 Converse parallel angle relationships, is there enough here to prove the lines are parallel? CSE(parallel lines)3.4 Perpendicular lines, calculate shortest distance from point to line( w/ given coordinates), CSE(perp. Bisector, perp through point)3.5 Equations of parallel lines |
| 6/17 AM 3 | 6/18 AM 3 | 6/19 AM  | 6/20 AM 3 | 6/21 AM 3 |
| Ch.33.5 Equations of parallel and perpendicular lines through a given point, graphically, analytically. Shortest distance from a point to a line, no info given. | Ch.44.1 Translations on the coordinate plane, vector, and function notation, composing translations, CSE (translations)4.2 Reflections on the coordinate plane, reflection rules, symmetry, glide reflections, CSE (reflections) | No ClassJuneteenth | Ch.4Review4.5 Dilations on the coordinate plane, scale factor multiplication, CSE (dilations), negative scale factors, using SF to find unknown dimensions.4.6 Similarity transformations, composing isometries and dilations to prove two are similar. | Ch.55.1 Classifying triangles by angle/side, interior/ext. angle thm.5.2 Congruent polygons, identifying corresponding parts, using corresponding parts to solve for unknown sides/angles5.3 SAS congruence |
| 6/17 PM 3.5 | 6/18 PM 3.5 | 6/19 PM | 6/20 PM 3.5 | 6/21 PM 3.5 |
| Ch.3Review / ProjectExam 3BEST PPT3.1 / 3.4 / 3.5 | Ch.44.3 Rotations on the coordinate plane, rotation rules, CSE (rotations w/ protractor), Symmetry4.4 Composing multiple transformations to prove two figures are congruent, isometry rules: 1 = 3Ref, 2any = 1**Tracing Paper Match Stamp Activity** | No ClassJuneteenth | Ch.4Review / ProjectExam 4BEST PPT4.1, 4.2, 4.5 | Ch.55.3 SAS congruence, CSE (copy triangle using SAS), using angle relationships, parallel lines, circles, etc.5.4 Properties of Isosceles and equilateral triangles, solve for unknown sides/angles, algebra, CSE(isosceles/equilateral triangles)5.5 Proving triangles congruent using SSS |

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| 6/24 AM 3 | 6/25 AM 3 | 6/26 AM 3 | 6/27 AM 3 | 6/28 AM 3 |
| Ch.5Review5.5 Proving triangles congruent using SSS, CSE(copy triangle using SSS), HL theorem for right triangles.5.6 Proving triangles congruent using ASA and AAS, CSE(copy triangle with ASA), putting it all together, which thm should we use?5.7 CPCTC, proving properties of quads with CPCTC | Ch.66.1 Properties of perp./angle bisectors (2/3 rule), graphing/equations of perp. bisectors.6.2 Circumcenter, properties, (CSE Circumcenter), properties of Incenter (CSE Incenter) | Ch.6Review6.5 Proof by contradiction, Triangle Inequality Theorem, Longer side/angle theorem6.6 Hinge Theorem, the flexible SAS  | Ch.77.1 Polygon interior angle sum theorem, exterior angle sum theorem, convex vs concave polygons7.2 The 5 properties of a parallelogram, algebra, proofs involving, graphing parallelograms | Ch.77.5 Properties of trapezoids and kites, isosceles trapezoids, graphing figures, finding missing points, midsegments of trapezoids, classification chart for all quads7.5 Alternate classification charts\* (British system) |
| 6/24 PM 3.75 | 6/25 PM 3.75 | 6/26 PM 3.75 | 6/27 PM 3.75 | 6/28 PM 3.75 |
| Ch.55.8 Coordinate Proofs, distance and midpoint with algebraic coordinates.Review / ProjectExam 5BEST PPT5.2 / 5.4 / 5.8 | Ch.66.3 Properties of the centroid, medians, 2/3 rule, (CSE Centroid), Properties of Orthocenter, (CSE Orthocenter)6.4 Midsegments (parallel/half), midsegment triangle (area/per.) | Ch.6Review / Project(Pick a new center, research it, construct it, make a poster about it.)Exam 6BEST PPT6.1 / 6.3 / 6.4 | Ch.77.3 The 6 converse parallelogram theorems, proving a figure is a parallelogram (on the coordinate plane)7.4 Properties of rhombi, rectangles, squares. (CSE construct each using diagonal properties), solve for unknown sides/angles | Ch.7Review / ProjectExam 7BEST PPT7.1 / 7.2 / 7.4 |
| 7/1 AM 3 | 7/2 AM 3 | 7/3 AM 3 | 7/4 AM | 7/5 AM |
| Ch. 88.1 Using scale factors and proportions to solve for unknown sides in similar polygons, SF of perimeters, SF of areas8.2 Prove two triangles are similar by AA, using vertical/parallel angle relationships/reflexive prop.8.3 Prove two triangles are similar by SSS, SAS | Ch. 99.1 Pythagorean theorem, solving with, Pythagorean triples, simplifying radicals, classifying triangles w/ Pyth. Thm. 9.2 Special right triangles, 306090, 454590, Wheel of SRT problems9.3 Geometric Mean, (CSE GM vs AM) | Ch. 9Review9.6 Inverse Trigonometric ratios, solving for all missing values of a triangle9.7 Law of Sine/Cosine, finding the area of triangle using Sine (SAS), Law of Tangents\* | No Class | No Class |
| 7/1 PM 3.75 | 7/2 PM 3.75 | 7/3 PM 3.75 | 7/4 PM | 7/5 PM |
| Ch. 88.4 Proportionality theorems: side-splitter, angle bisector. CSE(Cutting a segment into given ratio)ReviewExam 8BEST PPT8.1A / 8.1B / 8.4 | Ch. 99.4 Tangent Ratio, indirect measurement9.5 Sine/Cosine ratio, angle of elevation/depression, Stacked Triangle WS9.6 Inverse Trigonometric ratios, solving for all missing values of a triangle | Ch. 9Review / ProjectExam 9BEST PPT9.1 / 9.4 / 9.5 | No Class | No Class |

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| 7/8 AM 3 | 7/9 AM 3 | 7/10 AM 3 | 7/11 AM 3 | 7/12 AM |
| Ch. 1010.1 Special segments of a circle, common tangents, tangent to radius thm, cong. Tangents thm, (CSE tangent segment), Bike Chain Problem, Polygon w/ inscribed circle.10.2 Arcs and angle (central only), equal division circles | Ch. 10Review10.6 Length of segments formed by intersecting chords/secants/tangents.10.7 Graphing circles, switching forms, classifying points and interior/exterior,  | Ch. 1111.1 Arc length, rotations to distance traveled, radian measures, Eratosthenes experiment, Unicycle WS, red line arc problems11.2 Sector area, area of irregular shapes11.3 Areas of Kites/Rhombi, Areas of regular polygons, using trig. | Ch. 11Review11.8 Volume of spheres, demo the 1.5 sphere to cylinder ruleDipstick in Oil Drum ProblemExam 11BEST PPT11.1A / 11.3 / 11.7 | No ClassCampus Visit |
| 7/8 PM 3.75 | 7/9 PM 3.75 | 7/10 PM 3.75 | 7/11 PM | 7/12 PM |
| Ch. 1010.3 Cong. Chords = cong. Arcs, 2/3 chords rule, (CSE find center of circle), (CSE circle through 3 points), Broken dish problem, equidistant chords thm.10.4 Inscribed angles, properties of cyclic quads.10.5 Angles formed by chords/tangents, secants.Mount Rainier Problem | Ch. 10Review / ProjectMeasure a large circle with a stick, without entering circle.Exam 10BEST PPT10.2 / 10.4 / 10.7 | Ch. 1111.5 Finding the volume of cylinders and prisms, density, SF – AF – VF11.6 Volume of Pyramids, demo the 1/3 rule, rectangular and triangular pyramids, polygonal pyramids\*11.7 Volume of Cones | No ClassSpecial Lunch Celebration | No ClassCampus Visit |