Agendas for the Week: *February 25th – March 2st, 2013 Geometry Regular – 6th Period*

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|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
|  | **Objective(s):** SWBAT  - draw glide reflections and other compositions of isometries in the coordinate plane.  - draw compositions of reflections in parallel and intersecting lines.  **NGSSS:**  **MA.912.G.2.4** Apply transformations to polygons to determine congruence, similarity, and symmetry. Know that images formed by translations, reflections, and rotations are congruent to the original shape. **High** | **Objective(s):** SWBAT  - draw reflections, translations, rotations, compositions, symmetries, dilations.  **NGSSS:**  **MA.912.G.2.4** Apply transformations to polygons to determine congruence, similarity, and symmetry. Know that images formed by translations, reflections, and rotations are congruent to the original shape. **High** | **Objective(s):** SWBAT   * Test.   **NGSSS:**  **MA.912.G.2.4** Apply transformations to polygons to determine congruence, similarity, and symmetry. Know that images formed by translations, reflections, and rotations are congruent to the original shape. **High** | **Objective(s): SWBAT**  - identify and use parts of circles. Solve problems involving the circumference of a circle.  **NGSSS:**  **MA.912.G.6.2** Define and identify circumference, radius, diameter, arc, arc length, chord, secant, tangent, and concentric circles. **Low**  **MA.912.G.6.5** Solve real-world problems using measures of circumference, arc length, and areas of circles and sectors. **High**  **Section 10.1**  **New Vocabulary**  Circle, center, radius, radii, chord, diameter, congruent circles, concentric circles, circumference, pi, inscribed, circumscribed | **Objective(s):** SWBAT  - identify central angles, major arcs, minor arcs, and semicircles, and find their measures. Find arc lengths.  **NGSSS:**  **MA.912.G.6.2** Define and identify circumference, radius, diameter, arc, arc length, chord, secant, tangent, and concentric circles. **Low**  **MA.912.G.6.4** Determine and use measures of arcs and related angles (central, inscribed, and intersections of secants and tangents).  **Moderate**  **MA.912.G.6.5** Solve real-world problems using measures of circumference, arc length, and areas of circles and sectors. **High**  **New Vocabulary**  Central angle, arc, minor arc, major arc, semicircle, congruent arcs, adjacent arcs, arc length |
| **P**  **L**  **A**  **N** | **Engage:**  Do Now: Add final entry into foldable. Dilations. | **Engage:**  Do Now: Address questions from the Exit slip from the previous day. | Test Chapter 9 (The teacher is making this.) | **Engage:**  Do Now:Students will write a definition for “circle” | **Engage:**  Do Now: What is the angle measure between each hour on a clock? |
| **Explore:** Students will explore compositions of transformations in terms of reflections in parallel lines, and reflections in intersecting lines. We will reference the following website to explore: <http://www.mathwarehouse.com/transformations/reflections-theorem.php>  We will also review the chapter using a review sheet the teacher makes.  **Explain:** We will discuss our findings and can reference additional problems in the WB.  **Elaborate:** Students will create their own problem to reflect across lines. | Test review continued. Students will work in groups on the review sheet and then we will go over all questions as a class.  (the teacher is making this.) | **Explore:** Students will determine circle relationships through measuring different circular objects.  **Explain:** Students will share their findings with the class.  **Elaborate:**  Students will apply what they know to the WB pg. 123. | **Explore:** Students will work with the teacher to answer the questions. The teacher will edit some to include length so that students must find the arc length as well. <http://www.kutasoftware.com/FreeWorksheets/GeoWorksheets/11-Arcs%20and%20Central%20Angles.pdf>  **Explain:**  Students will share their answers as we go over questions as a class.  **Elaborate:**  We will do white board practice using WB pg. 125 |
| **Evaluate and Summary:**  Exit Slip for formative assessment  Homework: Textbook pg. 646 # 17-20 | **Evaluate and Summary:**  Homework: Textbook pg. 675 all. | **Evaluate and Summary:**  Exit Slip for formative assessment  Homework: WB pg. 124 all | **Evaluate and Summary:**  Exit Slip for formative assessment  Homework: WB pg. 126 all |
| **Resources:** | ELMO, Student Workbook, Student Worksheets | ELMO, Student Workbook, Student Worksheets | ELMO, Student Workbook, Student Worksheets | ELMO, Student Workbook, Student Worksheets |