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| **Honors Geometry – Fall 2018**  **Unit 6: Circles\***  \* subject to change | | |
| Date | Standard | Topic and Assignment |
| Wed  10/17  Day 50 | MGSE9-12.G.C.1  MGSE9-12.G.C.2  MGSE9-12.G.C.3  MGSE9-12.G.C.4    **What am I learning today?**  What are the different parts of circles?  **How will I show that I learned it?**  Be able to identify the different parts of circles. | Lesson 1  Day 1 - Introduction to Circles  Assignment  p. 396 # 11-12, 18-25, 41 |
| Thurs  10/18  Day 51 | MGSE9-12.G.C.1  MGSE9-12.G.C.2  MGSE9-12.G.C.3  MGSE9-12.G.C.4    **What am I learning today?**  What are the properties of tangents?  **How will I show that I learned it?**  Be able to solve algebraic problems involving tangents of circles. | Lesson 2  Properties of Tangents  Assignment  p. 396 # 15-17, 26-27, 31-33, 42-43, 45 |
| Fri  10/19  Day 52 | MGSE9-12.G.C.2  **What am I learning today?**  What is the relationship between a central angle and the various arcs formed in a circle?  **How will I show that I learned it?**  Be able to solve for a missing angle or arc based on given angle or arc. | Lesson 3  Central Angles and Arc Measures  Assignment  p. 405 # 19-29, 33-34, 37-39 |
| Mon  10/22  Day 53 | MGSE9-12.G.C.2  **What am I learning today?**  What are the properties of chords?  **How will I show that I learned it?**  Be able to apply the chord theorems to solve problems. | Lesson 4  Properties of Chords  Assignment  p. 405 # 30-32, 35, 47, 51  WS – Properties of Chords |
| Tues  10/23  Day 54 | MGSE9-12.G.C.2  **What am I learning today?**  What is an inscribed angle and how does it relate to a central angle?  **How will I show that I learned it?**  Be able to solve algebraic problems involving inscribed angles in relation to a central angle or intercepted arc. | Lesson 5  Inscribed Angles  Assignment  p. 420 # 12-22, 26-27, 33-35, 45, 48, 50 |
| Wed  10/24  Day 55 | MGSE9-12.G.C.2 | Quiz  Lesson 1 – Introduction to Circles  Lesson 2 – Properties of Tangents  Lesson 3 – Central Angles and Arc Measures  Lesson 4 – Properties of Chords |

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| Thurs  10/25  Day 56 | MGSE9-12.G.C.2  **What am I learning today?**  What are the remaining angle relationship in and out of circles?  **How will I show that I learned it?**  Be able to solve for a missing angle or arc using the appropriate angle relationship | *Magnet Open House*  Lesson 6  Angle Measures in Circles  Assignment  WS – Lesson 10.5 Practice B |
| Fri  10/26  Day 57 |  | Group Project  Review WS – Circles Activity |
| Mon  10/29  Day 58 | MGSE9-12.G.C.2  **What am I learning today?**  What are the different relationships formed when chords, secants, and tangents intersect each other?  **How will I show that I learned it?**  Be able to solve for a missing measure using the appropriate segment relationship. | Lesson 7  Segment Lengths in Circles  Assignment  WS – Lesson 10.6 Practice B |
| Tues  10/30  Day 59 |  | Quiz  Angle Measures in Circles |
| Wed  10/31  Day 60 | MGSE9-12.G.C.5  MGSE9-12.G.GMD.1  **What am I learning today?**  How is the length of an arc related to the circumference of a circle?  **How will I show that I learned it?**  Be able to solve for arc length, radius, circumference, area, and/or central angle based on given measurements. | Lesson 8  Arc Length  Assignment  p. 411 # 19-25, 27, 29 |
| Thurs  11/1  Day 61 | **What am I learning today?**  How is the area of a sector related to the area of a circle?  **How will I show that I learned it?**  Be able to solve for sector area, radius, circumference, area, and/or central angle based on given measurements. | Lesson 9  Sectors  Assignment  p. 411 # 12-18, 26, 35, 39 |
| Fri  11/2  Day 62 |  | Review  WS – Circles Review |
| Mon  11/5  Day 63 |  | Test  Unit 6: Circles |