

Geometry Course Scope and Sequence

Maple Dale-Indian Hill School District

Date Board Reviewed: August 1, 2019

Course Name: Geometry	Time Frame: Full Year, Daily
Grade Level: 8 (or earlier for students who have been multiple grade level accelerated)	Department: Mathematics

Course Overview: The following course is designed for students who excel and show a strong aptitude in the area of mathematics. It assumes students have completed an Algebra I course. Students are challenged to develop 21st century skills such as critical thinking and creative problem solving while engaging with exciting careers within Science, Technology, Engineering, and Mathematics (STEM) related fields. The program is designed to provide students with a balanced approach to mathematics.

Units:	Time Frame:
1. Tools of Geometry	13 days
2. Reasoning and Proof	16 days
3. Parallel and Perpendicular Lines	11 days
4. Congruent Triangles	13 days
5. Relationships in Triangles	14 days
6. Quadrilaterals	11 days
7. Proportions and Similarity	13 days
8. Right Triangles and Trigonometry	15 days
9. Transformations and Symmetry	15 days
10. Circles	13 days
11. Areas of Polygons and Circles	14 days
12. Extending Surface Area and Volume	14 days
13. Probability and Measurement	11 days

Primary Resources Used: *Glencoe Geometry* ©2014 by McGraw Hill, Kahn Academy Software, Teacher Produced Materials, and *Geometry for Enjoyment and Challenge* © 1981 by McDougall Littell/Houghton

Mifflin