## Geometry Glencoe Geometry

Grades 9-12

| Month | Content | Concepts \& Skills | Major Assessments | Learning Standards | Resource/Text |
| :---: | :---: | :---: | :---: | :---: | :---: |
| September | Points, Lines, Planes \& Angles | - Points, Lines \& Planes <br> - Linear Measure and Precision <br> - Distance \& Midpoint <br> - Angle Measure <br> - Angle Relationships <br> - Polygons | Tests <br> Projects <br> School Island | $\begin{aligned} & \text { G.CM. } 11 \\ & \text { G.G. } 67 \\ & \text { G.G. } 66 \\ & \text { G.G. } 17 \\ & \text { G.G. } 69 \end{aligned}$ | Glencoe Geometry <br> Integrated Math Course II <br> Math A (Blue Book) |
| October | Reasoning \& Proof <br> Parallel and Perpendicular Lines | - Inductive Reasoning and Conjecture <br> - Logic <br> - Conditional Statements <br> - Deductive Reasoning <br> - Postulates and Paragraph Proofs <br> - Algebraic Proof <br> - Proving Segment Relationships <br> - Proving Angle Relationships <br> - Parallel Lines \& Transversals <br> - Angles and Parallel Lines <br> - Slopes of Lines | Tests <br> Projects <br> School Island | $\begin{aligned} & \hline \text { G.G. } 24 \\ & \text { G.G. } 25 \\ & \text { G.G. } 26 \\ & \text { G.G. } 27 \end{aligned}$ <br> G.G. 62 <br> G.G. 63 <br> G.G. 64 | Glencoe Geometry <br> Integrated Math Course II <br> Math A (Blue Book) |

\begin{tabular}{|c|c|c|c|c|c|}
\hline November \& \begin{tabular}{l}
Parallel and \\
Perpendicular Lines (con't) \\
Congruent Triangles
\end{tabular} \& \begin{tabular}{l}
- Equations of Lines \\
- Proving Lines Parallel \\
- Perpendiculars and Distance \\
- Classifying Triangles \\
- Angles of Triangles \\
- Congruent Triangles \\
- Proving Congruence SSS, SAS \\
- Proving Congruence ASA, AAS \\
- Isosceles Triangles \\
- Triangles and Coordinate Proof
\end{tabular} \& \begin{tabular}{l}
Tests \\
Projects \\
School Island
\end{tabular} \& G.G. 64
G.G.35
G.G. 18

G.G. 28
G.G. 29
G.G. 30
G.G. 31
G.G. 36

G.G. 69 \& | Glencoe Geometry |
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\hline December \& Relationships in Triangles \& | - Bisectors, Medians, and Altitudes |
| :--- |
| - Inequalities and Triangles |
| - Indirect Proof |
| - The Triangle Inequality |
| - Inequalities Involving Two Triangles | \& Tests Projects School Island \& \[

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& \hline \text { G.G. } 21 \\
& \text { G.G. } 43 \\
& \text { G.G. } 32 \\
& \text { G.G. } 34 \\
& \text { G.G. } 27 \\
& \text { G.G. } 33
\end{aligned}
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| Integrated Math Course II |
| Math A (Blue Book) | <br>


\hline January \& | Proportions and Similarity |
| :--- |
| Right Triangles and Trigonometry | \& | - Proportions |
| :--- |
| - Similar Polygons |
| - Similar Triangles |
| - Parallel Lines and Proportional Parts |
| - Parts of Similar Triangles |
| - Fractals \& Self-Similarity |
| - Geometric Mean |
| - The Pythagorean Theorem and Its Converse | \& | Tests |
| :--- |
| Projects |
| School Island | \& \[

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& \text { G.CN.6 } \\
& \text { G.G. } 45 \\
& \text { G.G. } 44 \\
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& \text { G.G. } 48 \\
& \text { G.G. } 30 \\
& \text { A.A. } 42
\end{aligned}
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| Integrated Math Course II |
| Math A (Blue Book) | <br>

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\begin{tabular}{|c|c|c|c|c|c|}
\hline February \& \begin{tabular}{l}
Right Triangles and Trigonometry (con't) \\
Quadrilaterals
\end{tabular} \& \begin{tabular}{l}
- Special Right Triangles \\
- Trigonometry \\
- Angle of Elevation and Depression \\
- Angles of Polygons \\
- Parallelograms \\
- Tests for Parallelograms \\
- Rectangles
\end{tabular} \& \begin{tabular}{l}
Tests \\
Projects \\
School Island
\end{tabular} \& \[
\begin{aligned}
\& \text { A2.A. } 73 \\
\& \text { A.A. } 42 \\
\& \text { G.G. } 30 \\
\& \\
\& \text { G.G. } 36 \\
\& \text { G.G. } 37 \\
\& \text { G.G. } 38 \\
\& \text { G.G. } 39 \\
\& \text { G.G. } 41
\end{aligned}
\] \& \begin{tabular}{l}
Glencoe Geometry \\
Integrated Math Course II \\
Math A (Blue Book)
\end{tabular} \\
\hline March \& \begin{tabular}{l}
Quadrilaterals (con't) \\
Transformations \\
Circles
\end{tabular} \& \begin{tabular}{l}
- Rhombi \& Squares \\
- Trapezoids \\
- Coordinate Proof with Quadrilaterals \\
- Reflections \\
- Translations \\
- Rotations \\
- Tessellations \\
- Dilations \\
- Circles \& Circumference \\
- Angles \& Arcs
\end{tabular} \& \begin{tabular}{l}
Tests \\
Projects \\
School Island
\end{tabular} \& G.G. 39
G.G.41
G.G. 27

G.G. 56
G.G. 54
G.G. 61
G.G. 57
G.G. 58
G.G. 49

G.G. 51 \& | Glencoe Geometry |
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| Math A (Blue Book) | <br>

\hline April \& Circles (con't) \& | - Arcs \& Chords |
| :--- |
| - Inscribed Angles |
| - Tangents |
| - Secants, Tangents \& Angle Measures |
| - Special Segments in a Circle |
| - Equations of Circles | \& | Tests |
| :--- |
| Projects |
| School Island | \& G.G. 20

G.G. 52
G.G. 51
G.G. 50
G.G. 53
G.G. 23
G.G. 71
G.G. 72
G.G. 73

G.G. 74 \& | Glencoe Geometry |
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| May | Areas of Polygons and Circles <br> Surface Area | - Areas of Parallelograms <br> - Areas of Triangles, Trapezoids, and Rhombi <br> - Areas of Irregular Figures <br> - Geometric Probability <br> - Three-Dimensional Figures <br> - Nets and Surface Area <br> - Surface Area of Prisms <br> - Surface Area of Cylinders <br> - Surface Area of Pyramids <br> - Surface Area of Cones <br> - Surface Area of Spheres | Tests <br> Projects <br> School Island | G.G. 38 G.G. 39 G.G. 40 A.G. 1 G.G. 51 G.G. 10 G.G. 14 G.G. 13 G.G. 15 G.G. 16 | Glencoe Geometry <br> Integrated Math Course II <br> Math A (Blue Book) |
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| June | Volume <br> REVIEW | - Volumes of Prisms and Cylinders <br> - Volumes of Pyramids and Cones <br> - Volumes of Spheres <br> - Congruent and Similar Solids <br> - Problems from the Book <br> - Chapters 1-13 | Tests <br> Projects <br> School Island | $\begin{aligned} & \hline \text { G.G. } 11 \\ & \text { G.G. } 12 \\ & \text { G.G. } 14 \\ & \text { G.G. } 13 \\ & \text { G.G. } 15 \end{aligned}$ | Glencoe Geometry <br> Integrated Math Course II <br> Math A (Blue Book) |

