

# FSSD Syllabus for Geometry FMS

Freedom Middle School

8th Grade

Instructional pacing guides for English Language Arts, Mathematics, Science, and Social Studies are available online at the FSSD website, which conveys detailed information by quarter. Please access these instructional resources at [fssd.org/teacher-information/curriculum/](http://fssd.org/teacher-information/curriculum/)

**Students enrolled in this course will receive an high school honors credit from Williamson County Schools. Therefore, any additional standards, requirements, or assessment required by WCS will apply.**

## 1<sup>st</sup> Quarter

Standards/Objectives:

{[http://tn.gov/assets/entities/education/attachments/std\\_math\\_geometry.pdf](http://tn.gov/assets/entities/education/attachments/std_math_geometry.pdf)}

G-CO.A.1, G-CO.A.2, G-CO.C.9, G-CO.A.4, G-CO.A.3, G-MG.A.3, G-CO.A.5, G-CO.B.6, G-CO.D.12, G-CO-B.7, G-GPE.B.5, G-CO.B.8, G-CO.D.13, G-SRT.B.5, G-CO.C.10

Topics covered:

- Tools of Geometry
- Transformations and Symmetry
- Congruent Figures
- Lines and Angles
- Triangle Congruence Criteria
- Applications of Triangle Congruence
- Properties of Triangles

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

## 2<sup>nd</sup> Quarter

Standards/Objectives:

{[http://tn.gov/assets/entities/education/attachments/std\\_math\\_geometry.pdf](http://tn.gov/assets/entities/education/attachments/std_math_geometry.pdf)}

G-C.A.3, G-CO.C.10, G-CO.C.9, G-CO.D.12, G-CO.C.11, G-SRT.B.5, G-GPE.B.5, G-GPE.B.4, G-GPE.B.7, G-SRT.A.1a, G-SRT.A.2, G-C.A.1, G-SRT.A.3, G-SRT.B.4, G-GPE.B.6, G-CO.A.1, G-CO.A.2, G-CO.A.5

Topics covered:

- Special Segments in Triangles
- Properties of Quadrilaterals
- Coordinate Proof Using Slope and Distance
- Similarity and Transformations
- Using Similar Triangles

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

## 3<sup>rd</sup> Quarter

Standards/Objectives:

{[http://tn.gov/assets/entities/education/attachments/std\\_math\\_geometry.pdf](http://tn.gov/assets/entities/education/attachments/std_math_geometry.pdf)}

G-SRT.C.6, G-SRT.C.7, G-SRT.C.8, G-SRT.D.9, G-SRT.D.10, G-SRT.D.11, G-C.A.1, G-C.A.2, G-GMD.A.1, G-C.B.5, G-GPE.A.1, G-GPE.B.4, G-C.A.4, G-C.D.13, G-C.A.3, G-MG.A.1, G-GPE.A.2, G-GPE.B.7

Topics covered:

- Trigonometry and Right Triangles
- Trigonometry with All Triangles
- Angles and Segments in Circles
- Arc Length and Sector Area
- Equations of Circles and Parabolas

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

## 4<sup>th</sup> Quarter

Standards/Objectives:

{[http://tn.gov/assets/entities/education/attachments/std\\_math\\_geometry.pdf](http://tn.gov/assets/entities/education/attachments/std_math_geometry.pdf)}

G-GMD.A.1, G-MG.A.2, G-GMD.A.2, G-GMD.B.4, G-MG.A.1, G-GMD.A.3, G-G.C.4, G-GPE.2, G-GPE.3, G-GPE.B.7, G-MG.A.3

Topics covered:

- Volume Formulas
- Visualizing Solids
- Modeling and Problem Solving with Solids

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

\*For students who have IEPs, please refer to their specific goals.

### Procedures for Parental Access for Instructional Materials:

1) Many instructional materials can be accessed digitally via the FSSD website ([fssd.org](http://fssd.org)) using your student's unique username and password.

- a. [Student Resources](#): FSSD website > Parents & Students > Parent Information > Online Resources > Student
- b. [Parent Resources](#): FSSD website > Parents & Students > Parent Information > Online Resources > Parent

2) If additional information is needed regarding instructional materials, a written request may be submitted to your child's teacher. Instructional material review is included in [Board Policy 4.400](#).