

Fourth Grade Cluster 8

Additional Resources



Videos to share with parents and colleagues:

- Measuring angles using a protractor example: <https://www.youtube.com/watch?v=LPC0imoebzI>

Videos to share with students:

- Animated classifying angles: <http://studyjams.scholastic.com/studyjams/jams/math/geometry/classify-angles.htm>
- Animated measuring angles: <http://studyjams.scholastic.com/studyjams/jams/math/geometry/measure-angles.htm>
- Animated types of lines: <http://studyjams.scholastic.com/studyjams/jams/math/geometry/types-of-lines.htm>
- Animated lines of symmetry: <http://studyjams.scholastic.com/studyjams/jams/math/geometry/lines-of-symmetry.htm>
- Animated classifying quadrilaterals: <http://studyjams.scholastic.com/studyjams/jams/math/geometry/classify-quadrilaterals.htm>
- Lines song by NUMBERROCK: <https://www.youtube.com/watch?v=P3A0oLbA3us>
- Polygons song by NUMBERROCK: <https://www.youtube.com/watch?v=zI3rUMrRLF8>
- Types of triangles: <https://www.youtube.com/watch?v=yNH8GDyCMto>
- Symmetry: <https://www.youtube.com/watch?v=PBWldyOwUjA>
- Math mansion video about lines: <https://www.youtube.com/watch?v=5I7DI7wRS9s>

Literature connections:

- *The Greedy Triangle* by Marilyn Burns - Hear it read aloud here: <https://www.youtube.com/watch?v=kPuI4XyyZUE>
- *Zachary Zormer: Shape Transformer* by Joanne Reisberg
- *If You Were a Quadrilateral* by Stuart Murphy
- *Triangles* by David Adler
- *Sir Cumference and the Great Knight of Angleland* by Cindy Neuschwander

Manipulative options:

- Geoboards
- Protractor
- Ruler
- Pattern blocks
- AngLegs
- Tangrams
- Power Polygons



Online games for kids:

- Estimating angles: <https://www.mathplayground.com/alienangles.html>
- Lines of Symmetry: <http://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/SymmetryLinesShapesShoot.htm>
- Triangle Splat: http://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/triangles_shoot.htm
- Bunny and Angles: <https://www.math10.com/en/math-games/games/geometry/games-bunny-and-angles.html>

Additional Resources:

- Geometry flip book (shapes, lines and angles): <https://www.teacherspayteachers.com/Product/Geometry-Flippers-Shapes-Lines-and-Angles-487589>
- Quadrilateral riddles: <https://www.teacherspayteachers.com/Product/QUADRILATERALS-Cards-and-Riddles-3362097>
- Polygon flash cards: <https://www.teacherspayteachers.com/Product/Polygons-3223820>
- Angles, Triangles, Quadrilaterals board game: <https://westernreservepublicmedia.org/geometry/images/AnglesBoardGame.pdf>