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| **Unit Name:**  **Lines and Angles** |
| **Common Core State Standards:**  **4.G.1** Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures. |
| **Essential Vocabulary:**   |  |  |  | | --- | --- | --- | | * lines * angle * point * line segment * ray | * vertex/vertices * oblique * plane * perpendicular * parallel | * line of symmetry * polygon * right angle * obtuse angle * acute angle | |
| **Unit Overview:**  In this unit, students will be identifying angles and be able to explain/reason with different types of angles. This is the first time the students will be exposed to rays, angles, perpendicular and parallel lines. |
| **Strategies/Skills:**  Students will build on their understanding of geometric shapes and go further with a variety of properties. Students will model mastery of this concept through the following ways:   * building * drawing * identifying * analyzing |
| **Video Support:**  Video support can be found on LearnZillion.   * <https://learnzillion.com/>   + Draw points, lines, and line segments   <https://learnzillion.com/lessons/2346-draw-points-lines-and-line-segments>   * + Classify and draw various types of angles   <https://learnzillion.com/lessons/2395-classify-and-draw-various-types-of-angles>   * + Draw parallel and perpendicular lines   <https://learnzillion.com/lessons/2313-draw-parallel-and-perpendicular-lines>   * + Label and name points, lines, rays and angles using math notation   <https://learnzillion.com/lessons/2416-label-and-name-points-lines-rays-and-angles-using-math-notation> |
| **Additional Resources:**  If you have limited/no internet access, please contact your child’s teacher for hard copies of the resources listed in this document.   * NCDPI Unpacking Document: [4th Grade Unpacking Document](http://www.ncpublicschools.org/docs/acre/standards/common-core-tools/unpacking/math/4th.pdf) |