**Strands of MPIs** **developed by ACS BRES 4th grade teachers**  
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**GRADE 4**

**ELD STANDARD: The Language of Mathematics EXAMPLE TOPIC: Geometry**

**CONNECTION: CCSS.Math.Content.4.G.A.1** Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.

**EXAMPLE CONTEXT FOR LANGUAGE USE:** Students will create a graphic organizer of basic geometric terms.

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| **COGNITIVE FUNCTION:** Students at all levels of English language proficiency **USE and APPLY** their understanding of geometric terms. | | | | | | |
| **DOMAIN: Writing** | **Level 1**  **Entering** | **Level 2**  **Emerging** | **Level 3**  **Developing** | **Level 4**  **Expanding** | **Level 5**  **Bridging** | **Level 6 - Reaching** |
| After singing “12 Days of Geometry” with arm motions and viewing real-life examples, teacher models graphic organizer classifying geometric terms. Students cut out representations and label them in teacher made graphic-organizer. Students say the terms and write them with teacher and peer support. | After singing “12 Days of Geometry” with arm motions and viewing real-life examples, teacher models graphic organizer classifying geometric terms. Students draw visuals of terms and label them using phrases in teacher made graphic-organizer. Students say the terms and write them with teacher and peer support. | After singing “12 Days of Geometry” with arm motions and viewing real-life examples, teacher models graphic organizer classifying geometric terms. Students draw visuals of terms and label them using phrases in teacher made graphic-organizer. Students write the definitions of the terms in a complete sentence. | After singing “12 Days of Geometry” with arm motions and viewing real-life examples, teacher models graphic organizer classifying geometric terms. Students draw visuals of terms and label them using phrases in a student created graphic-organizer. Students write the definitions of the terms in complete sentences and include real-life examples. | After singing “12 Days of Geometry” with arm motions and viewing real-life examples, teacher models graphic organizer classifying geometric terms. Students draw visuals of terms and label them using phrases in student created -graphic-organizer. Students write the definitions of the terms in complete sentences and include real-life examples of the term and explain why they are examples. |
| **TOPIC-RELATED LANGUAGE:** Students at all levels of English language proficiency interact with grade-level words and expressions, such as: **point, line, line segment, ray, angles (right, straight, obtuse, acute), vertex, perpendicular, parallel, intersect, degree, plane, endpoint, midpoint** | | | | | | |