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| **NC.K.G.1, NC.K.G.2, and NC.K.G.3**  **Positional Words with 3-D Shapes** | |
| **Domain** | Geometry |
| **Cluster** | Identify and describe shapes. |
| **Standard(s)** | **NC.K.G.1** Describe objects in the environment using names of shapes, and describe the relative positions of objects using positional terms.  **NC.K.G.2** Correctly name squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres regardless of their orientations or overall size.  **NC.K.G.3** **Identify** squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres as two-dimensional or three dimensional. |
| **Materials** | Blackline Master of 3-D shape cards (cut out) |
| **Task** | Say: *I’m going to show you some pictures of some shapes from our environment.*   1. Show Card A. Say:  * *Look at the traffic cone. Use your words to tell me where the soccer ball is on the paper.* * *What shape is the soccer ball? (sphere)* * *How do you know?*  1. Show Card B. Say:  * *Look at the baseball. Use your words to tell me where the trashcan is on the paper.* * *What shape is the trash can? (cylinder)* * *How do you know?*  1. Show Card C. Say:  * *Look at the soda can. Use your words to tell me where the alphabet block is on the paper.* * *What shape is the alphabet block? (cube)* * *How do you know?*  1. Show Card D. Say:  * *Look at the dice. Use your words to tell me where the party hat is on the paper.* * *What shape is the party hat? (cone)* * *How do you know?*  1. *Show students all the cards.* *Say:*  * *These pictures you’ve been looking are shapes you might see every day like cones, cubes, spheres and cylinders. Are these three dimensional shapes or two dimensional shapes.* * *How do you know?* |

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| **Continuum of Understanding** | |
| **Not Yet**  **Proficient** | * Cannot name any shapes correctly * Connect describe the relative position of some objects using positional words * Cannot classify shapes as 2-D and 3-D shapes |
| **Progressing** | * Names some shapes correctly * Describes the relative position of some objects using positional words * Has some understanding of the differences between 2-D and 3-D shapes |
| **Meets**  **Expectation** | * Names all of the shapes correctly. * Correctly describes the relative position of objects using positional words * Shows understanding of the differences between 2-D and 3-D shapes |

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| **Standards for Mathematical Practice** |
| 1. Makes sense of problems and perseveres in solving them. |
| **2. Reasons abstractly and quantitatively.** |
| 3. Constructs viable arguments and critiques the reasoning of others. |
| 4. Models with mathematics. |
| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| 7. Looks for and makes use of structure. |
| **8. Looks for and expresses regularity in repeated reasoning.** |

**3-D Shape Cards**

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| **Task Card A** | **Task Card B** |
| **Task Card C** | **Task Card D** |