|  |
| --- |
| **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?*
 |

|  |
| --- |
| **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
 |

|  |
| --- |
| **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**

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