

SPACE AND SHAPE RELATIONSHIPS: OBJECTIVES

Objectives for P-3	P 1 2 3
1. Sort and classify common objects by shape, size, color, texture, etc.	D D C C
2. Sort and classify geometric solids according to such properties as number of faces, edges, vertices, whether or not they roll, etc.	O O D D
3. Experience building structures using a variety of geometric solids including models of the classroom or school yard.	O D C C
4. Build three-dimensional models (for example use straws, toothpicks, wire, clay, dowelling, tinker toys, etc.).	O O D D
5. Recognize geometric solids in the real world and relate them to classroom models.	O D D C
6. Identify and name cubes, cylinders and spheres.	- O D D
7. Explore the faces, edges, and vertices of geometric solids: cuboids, rectangular prisms, tetrahedrons, etc.	- - O D
8. Sort and classify geometric shapes by shape, size, color, thickness, texture, etc.	D D C C
9. Build two-dimensional models from straws, tongue depressors, geostrips, etc.	O D C C
10. Recognize two-dimensional shapes in the real world.	O D D C
11. Copy and continue patterns of two-dimensional and three-dimensional shapes.	D D D C
12. Identify and name circles, squares and triangles in various positions and sizes.	D C M M
13. Identify and name rectangles, pentagons and hexagons.	O D C C
14. Identify and name various quadrilaterals, parallelograms, trapezoids and rhombuses.	O O D D

Code

- O - Organized exploratory activity
- D - Development
- C - Continuing practice
- M - Mastery
- E - Extension and/or Enrichment

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Objectives P-3    SPACE AND SHAPE RELATIONSHIPS

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P 1 2 3

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| 15. Identify and name the parts of a circle (chord, radius, diameter).  | - - 0 D |
| 16. Explore parallel lines and right angles.  | - - - 0 |
| 17. Recognize closed curves and objects inside and outside closed curves.   | 0 D D C |
| 18. Be able to complete a simple maze.  | D D C E |
| 19. Create symmetrical designs.   | - 0 D D |
| 20. Identify plane geometric figures that are symmetrical and identify the line(s) of symmetry.                       | - - 0 D |
| 21. Demonstrate simple turns, slides and flips with various geometric shapes.   | - - 0 0 |
| 22. Identify symmetrical shapes in the real world.  | - 0 D D |
| 23. Identify plane figures which are congruent using the geoboard or by placing a cut-out of one figure on the other. | - 0 D D |