Spatial Visualization

•Spatial sense is an intuitive feel for one’s surroundings and the objects in them.

•Spatial understandings are necessary for interpreting, understanding, and appreciating our inherently geometric world.

•Insights and intuitions about two-and three-dimensional shapes and their characteristics, the interrelationships of shapes, and the effects of changes to shapes are important aspects of spatial sense.

•Children who develop a strong sense of spatial relationships and who master the concepts and language of geometry are better prepared to learn number and measurement ideas, as well as other advanced mathematical topics.

To develop spatial sense, children must have many experiences that focus on:

• geometric relationships;

• the direction, orientation, and perspectives of

objects in space;

•the relative shapes and sizes of figures and objects;

• and how a change in shape relates to a change in size

*PRIME2 CaMSP Summer Institute, 2013*