



Math

LG

## **Guiding Math Idea:**

- Using Color as an Organizing Tool
- Parts/Wholes in Number Groups and Geometrical Figures
- Geometry: Directionality and Orientation

## Adaptations for Using Large Group In Alternate Schedule Slots:

- This is a great activity for any days that the weather prevents or shortens outdoor play. Move to a hallway or a gym space if available.
- If a parachute is not available, substitute long color ribbons and have the children make a "wheel" and move around as a circle. The adult can hold the ribbons together in the hub of the wheel.

\*This activity also meets Physical Health and Development Gross Motor standards.

#### Materials: Math Vocabulary: **Directional Words:** large parachute designed for large group squares in colors to match the parachute colors • • left- hold up your left hand double sided or regular tape or butterfly clips for and walk in that direction attaching the color squares to the backs of children's • right- hold up your right clothing. hand and walk in that background music (optional) direction **Positional Words:** over, under, outside, inside, • etc.

 clue- giving a hint or an idea to help someone guess

# Preparation:

This week's activities (large and small group) should follow the reading of *Dog's Colorful Day*. Decide ahead of time what your rules are for parachute play. Cue up some lively music to accompany the parachute play (optional).

Earlier this week we read a funny story about a dog who kept getting different colors splattered on his white coat. Today we are going to think about colors and how to have fun with them, just like the little dog in the book.	As the children gather for large group, place a colored square on their backs.
When you came to group time, I put something on your back. Everyone has a color. See if you can find out what your color is (without pulling it off) and then stand with the others who have your same color. How could you find out what your color is? You could give someone a clue Here is a clue.	Call one child up and look at her/his color. An example: Hmmm, the clue is: This is the color of
	Children freely move around and begin to form their groups of 3 or 4 children with the same color. Some children may like to give and receive clues; others will not.
Here is a parachute. Some of you have played with it before. It has the same colors that you have on your backs.	Show children the parachute. Some parachutes have built in handles. If so, demonstrate how to hold it with the handles, or how to grab it by the edges.
We are going to play some color games with our parachute. Parachutes are a lot more fun to play with when we work together. What are some things we might need to remember to make our parachute play fun and safe? Yes those are good ideas. Here are more ideas.	Children contribute some ideas about how to play with the parachute safely. For example: Stay in your spot until the teacher tells you to move. Don't run under the parachute. Don't try to pull others down. Add any rule that that you think is important
	Children will guess circle; Add the idea of the

Now let's play with our parachute. What do you notice about the shape of this parachute?	different parts/sections of the circle (which are not triangles, but resemble wedges).
Find your color on the parachute and grab it. Listen to me and we will start our play. Move to the Left Move to the Right. Lift it up high. Put it down low	Children go to the matching color. Children move under the parachute or around the edges as directed. Begin to give a variety of instructions that include positional and directional words.
Green and Blue colors- Trade Places. Make the parachute wave and wiggle. Pull the parachute tight. Move towards the center.	Continue to play with the parachute. Take breaks as needed, asking the children to stand and put the parachute down on the floor in front of them while you re-group if necessary.
We'll have a chance to play with the parachute during Large Motor/Outside Time.	Wrap up the activity by asking children to walk towards the middle or center of the circle, where you will gather up the parachute.

### Strategies to Provoke Math Thinking:

• Left and right are perhaps the most difficult of the directional and positional concepts. Children will make lots of mistakes as they learn how to follow directions or instructions that ask them to identify Left or right. However, English reading and writing skills have important left to right concepts. Math equations are often read from left to right. Large motor skills are good ways to experience left-right with our bodies prior to small-motor skills of writing and visual/spatial skills associated with reading.

#### **Provocation:**

Extend this activity with pictures of the color wheel. Add color wheels to the math area along with

similarly colores manipulatives or blocks.