

## Parachutes

### Exploring Gravity and Drag (Air Resistance)

#### Materials

- Square napkin - The Shroud
- 4 pieces of string 10 inches long - The Shroud lines
- 5 sticky dots
- Large Paper Clip - The Load

#### Steps

- Using a sticky dot, secure a string to each corner of the open napkin
- Tie the free ends of the 4 strings together around a large paper clip or tie a knot in the free ends of the string and use a sticky dot to attach the paper clip Pull the parachute shroud (napkin) up in the center
- Fold the parachute twice
- Wrap the string loosely around the paper napkin
- Throw the parachute up into the air

What happens?

How can you make your parachute fall slower?

How can you make your parachute fall faster?

Try this in your classroom first, then outside on the play structure

What other factors effect how the parachute moves?

