**Shapes in the Sky**

Lay outdoors on a blanket and talk about the different clouds in the sky and see what different types of shapes or figures you see!

Different kinds of clouds:

- **Cirrus** - Thin, wispy clouds seen high in the sky. They look as if someone took a cloud, stretched it, pulling pieces off, like a cotton ball when it is pulled apart.
- **Cumulus** - Puffy clouds that are usually scattered throughout the sky. In Latin, the word cumulus means pile.
- **Nimbus** - The word nimbus means a cloud that already has rain or snow falling from it. These clouds are dark and seen during a thunderstorm along with thunder and lightning.
- **Stratus** - huge thick blanket covering the sky. These clouds are a sure sign of rain if it is warm and snow if it is cold.

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**Let's Talk About the Weather**

**Rain is Falling Down**

Rain is falling down,
SPLASH! (Clap)

Rain is falling down,
SPLASH! (Clap)

Pitter patten, pitter patten (Tap hands on thighs)

Rain is falling down,
SPLASH! (Clap)

Sun is peeking out,
PEEK! (Put hands over eyes, then peek out)

Sun is peeking out,
PEEK! (Put hands over eyes, then peek out) Peeking here, peeking there, (Put hands over eyes, pan the room)

Sun is peeking out,
PEEK! (Put hands over eyes, then peek out)

**Raindrops Falling**

Raindrops, raindrops (wiggle fingers like rain)

Falling all around

Pitter-patter on the rooftops (tap fingers on head)

Pitter-patter on the ground (tap fingers on ground)

Here is my umbrella (form “umbrella” over head)

It will keep me dry

When I’m walking in the rain,
I hold it up so high. (stretch hands above head)

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**Windsock Craft**

Color the pieces on the attached template, and then cut them out. Use glue or tape to attach the pieces to an empty toilet paper roll. If you would rather not use a toilet paper roll, you can bend the paper into the right shape and tape it together. Tear or cut streamers or ribbon into a width and length of your choosing, and attach them to the bottom of the toilet paper roll. Take a piece of yarn or ribbon, and attach it to the top of the roll in a loop. You can hang your finished windsock up by the loop, and enjoy!

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How To Make a Water Cycle in a Bag (mobileedproductions.com)

- Plastic zip lock-style bag
- Permenant marker(s)
- Water
- Blue food coloring
- Clear tape

1) Decorate your bag using your permenant marker (washable markers will wash right off) to draw a sky in the upper half of your plastic bag. Include clouds and the sun, as they are important elements to the water cycle.

2) Next, fill a cup with regular tap water. Then add a couple of drops of blue food coloring.

3) Carefully pour the water into the plastic bag and zip it closed. Make sure it's nice and tight!

4) Pick a window that gets a lot of sunshine for best results. Adhere your bag with tape to the window and press tightly - you don't want your bag to fall down!

Wait a couple of hours and check on your experiment. You should see a change in your bag between two hours and 1 day (depending on the amount of sun and the time of day you started).

Eventually, you will begin to see droplets of water sticking to the side of the bag. Some of these will be up high (in the clouds) while other droplets will be on their way back down (like rain).

**Why is this happening?** It's because the water in the bag is being heated up against the sunny window. That water turns into a gas through the process called evaporation. In nature, evaporated water vapor goes into the atmosphere, but in our bag, it has nowhere to go, so it ends up sticking to the sides of the bag, turning back into a liquid as condensation. That condensed water then slides back into the pool of water below as "rain".

**Tornado in a Bottle** https://www.wikihow.com/Make-a-Tornado-in-a-Bottle

Fill a plastic bottle with water. Leave about two inches of air at the top of the bottle. You can use any size of bottle that you have available. The bigger the bottle, the bigger the tornado. You can experiment with using more or less water, or different sizes of bottles.

Add dish soap. Two little squirts from a bottle of concentrated dish soap will work great. You can also try using vegetable oil. You can experiment later with different amounts of soap, or even different brands. Which one works better?

Add a pinch of glitter. This step is completely optional, but may help you see the tornado better.

Seal the bottle. Make sure it is sealed tightly! The experiment will only work if the bottle is airtight.

Spin the bottle. Hold it at the top or bottom, and use your wrist to shake it back and forth. After a few seconds of spinning, you should see the start of a swirl of water. This is your tornado.
Windsock Template
<table>
<thead>
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<th>15</th>
<th>14</th>
<th>13</th>
<th>12</th>
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<td>Cloudy</td>
<td>Rainy</td>
<td>Snowy</td>
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</tbody>
</table>

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Wild Weather
Word Search

wind      storm      rain      hail
snow      sun        cloud     tornado
rainbow   sky        sleet     ice
blizzard  lightning  fog       puddle

Wild Weather Word Search

wind    night    sky
lightning    horse
pursue    sun    ice
snow    fog    xas
doeerain  bloen
kmstorm    myztlox
hblizzard    dgey
nwcloud    dvetwo
icy    puddle    leg
hail    brain    ow
storm    lack    x