



How does the temperature of air affect movement?

In the *Waterford Early Math and Science™* Weather Experiment, your child learned that warm air moves. Because warm air rises, a spinner held above a hot toaster moves.

What You Need



Paper



Scissors



String



Tape



Lamp



Ice cubes



Cold water



Bowl



My Home Science Journal

① Make a Hypothesis

Before you begin the experiment, predict what you think will happen. Draw a picture of your prediction on your My Home Science Journal page.

② Do an Experiment

Cut a spiral shape from a piece of paper. Tape a string to the top of the spinner. Hold the spinner over a counter top to see how it behaves with no air movement. Hold the spinner over a lamp that has been on for a while to see how it behaves around warm air. Notice which direction it spins. Put 10 to 20 ice cubes in a bowl and add cold water. Hold your spinner over the bowl of water to detect air movement. If it spins, notice which direction it spins. Draw a picture of the experiment on your My Home Science Journal page.

③ Draw a Conclusion

Does warm air move the same as cold air? Draw a picture of what happened on your My Home Science Journal page.

More Ideas to Try

Use the scientific method to answer one of the following questions: If you make the water even colder, will it affect the movement of the spinner? Will the spinner move over a bathtub of warm water?