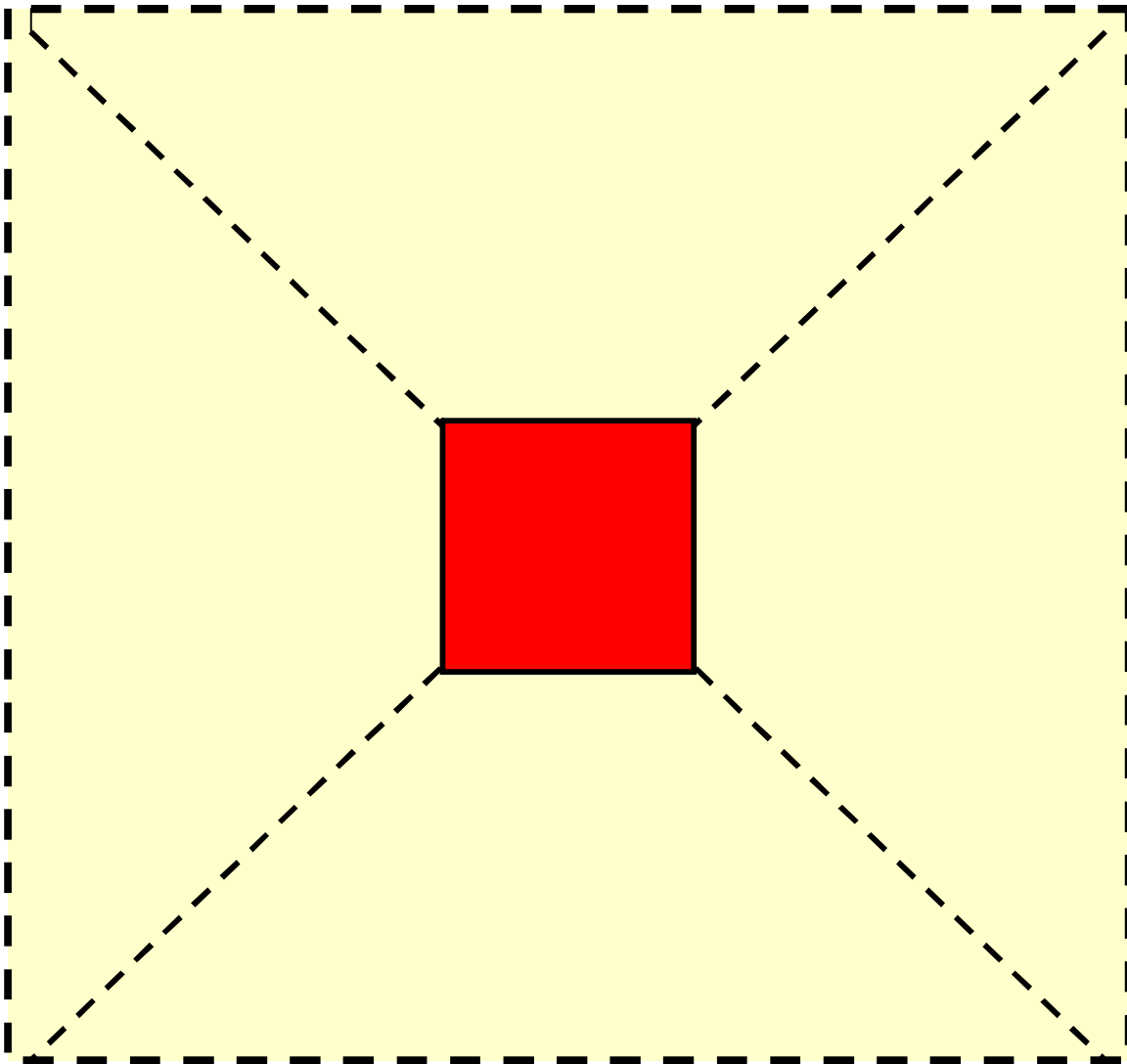


## Tofu Ling and the Carp Banner Science Activity

Tofu's carp banner blew in the wind. Make a pinwheel to watch it spin as the wind blows through it. Cut along the dotted lines. Fold and tape the right corner of each triangle to the center of the red square. Stick a pin through all of the triangle corners in the center and attach it to a stick. While holding the pinwheel in front of you blow on the pinwheel and see the direction it spins (clockwise or counter-clockwise). If the wind is blowing outside, take your pinwheel outside and watch it spin.



Identify what makes the pinwheel spin.

Explain why the pinwheel spins in only one direction.

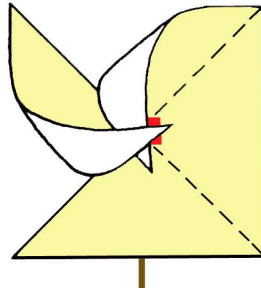
Discuss what would happen to the pinwheel if the wind blew harder. Or, if the wind is not blowing.

Tofu's Carp Banner blew in the wind. Draw a picture of it blowing in the wind and another picture of no wind blowing.

**Teacher/Parent Instructions and Information:**

Copy the first page on heavy card stock. You will also need, tape, a pin, and a stick.

The right corner of each triangle is attached to the center red square as shown below:



*Identify what makes the pinwheel spin.*

Air is all around us and is always in movement. When air moves rapidly, we see the effects in the things around us. The heavier the object the more wind it requires to move it. We can create wind as we blow on something or move our arms and legs around.

*Explain why the pinwheel spins in only one direction.*

Air moves in one direction at a time. It can change directions abruptly due to other weather conditions, but it cannot blow in two directions at a time.

*Discuss what would happen to the pinwheel if the wind blew harder. Or, if the wind is not blowing.*

If the wind were blowing harder the pinwheel would spin faster. If there were no wind blowing, the pinwheel would not spin.