

# Summer WONDER

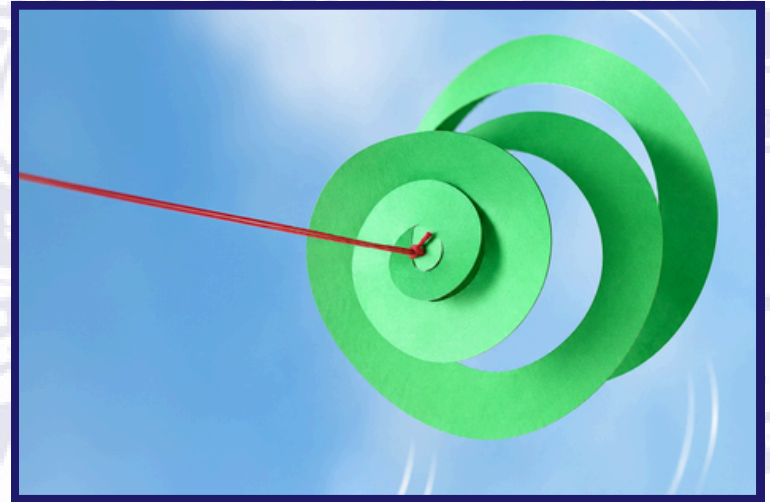
# Make a Whirligig

## WHAT YOU NEED:

- Paper
- Hole punch (optional)
- Scissors
- String or Yarn

## HOW TO:

1. Outline a large circle on your paper. Make a dot in the middle of the circle. You can color or decorate your circle if you want. Pick a spot on the edge and draw a spiral in towards the middle, making sure there is at least half an inch between your lines.
2. Cut out the large circle, then cut along the spiral line.
3. Punch a hole in the center (if you don't have a hole puncher, use the scissors).
4. Tie a string through the center and knot it on the bottom.



## WHAT'S HAPPENING?

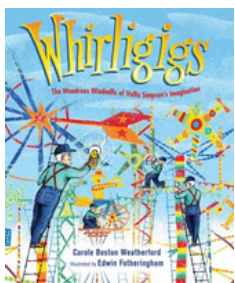
Our whirligig is powered by the air pushing through the cut part of the paper. It pushes the paper out and spins it around. Other kinds of whirligigs are button spinners or buzzers, and another kind is powered by a pull string. All whirligigs have a spinning motion.



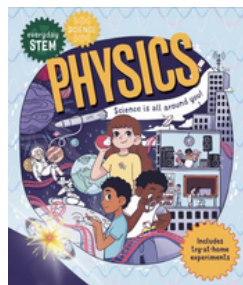
## FUN FACT

Did you know that button whirligigs are one of the most ancient toys? Native American children were using them as early as 500 BCE.

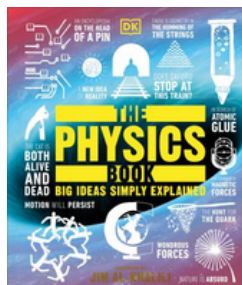
### Related Books:



*Whirligigs*  
by Carol Boston Weatherford



*Physics: Science Is All Around You!*  
by Shini Somara



*The Physics Book*



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# Make a Whirligig



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You can do this project and others like it when you attend one of our **KDL LAB Experience** programs. Scan the code to see upcoming programs you can attend.

