



# FIDGET SPINNER

Fidget spinners are all the rage. But, how do they work? Youth design and create a fidget spinner with the least amount of friction. Youth time how long their fidget spinner stays in motion until it stops. Which spinners rotate the longest? Why?

Age Level: 10 on up

Time: one hour to make and test, set up competition and improve a second hour

Science Applications: Friction, conservation of momentum, Engineering & Design

County Available: King County

## Fidget Spinner:

- See who can design the longest moving fidget spinner with the least amount of friction and the most decorative design.



### Kit Contents:

- Varied papers, cardboard, chipboard, cardstock, construction paper
- scissors
- toothpicks
- wire cutters
- stir straws
- paperclips
- coins and washers
- Glue
- Duct tape and packing tape
- Push pins
- Markers, washi tape

Helpful video for facilitator

<http://www.redtedart.com/make-fidget-spinner-diy/>



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