

ORIGAMI JUMPING FROG: DISTANCE EXPERIMENT

Materials:

Origami Jumping Frogs Made From ~3 Different Papers (ex: Printer, Construction, Tissue, Parchment, Newsprint, Magazine, etc.), A Ruler, Some Tape/A Sticky Note, Paper To Write On, A Writing Utensil

1. Make at least 3 origami jumping frogs from different types of paper. **Your chosen papers should vary in thickness**, but don't get too wild-- papers that are too thick to hold multiple folds will not work. Follow along with the video to make your jumping frogs, and/or follow these instructions: <https://www.origamiway.com/origami-jumping-frog.shtml>
2. Practice with each of your frogs until you feel like you've mastered the art of the jump!
3. Time to bust out the ruler, some paper to write on, and something to write with! We're going to see which type of paper frog will be able to jump the furthest. We'll write down the results as we go along, for posterity's sake!
4. First, write down every type of paper you used to make your frogs with. Use complete sentences: "To make my origami jumping frogs, I used..."
5. Next, make a prediction about which frog will go the furthest. Consider the types of paper each frog is made of, and the weight of that paper compared to the others. Do you think this will affect how far each frog jumps?
6. Use your tape/sticky note to make a starting line on a flat surface.
7. Finally, make each frog jump! Make sure to start at the starting line each time. For every frog, write down what type of paper it's made of and how many inches it jumped. Use your ruler to measure!
8. When you're all out of frogs, write down your conclusion. Was your prediction from the beginning correct? Why or why not?

Don't be shy! We'd love to see all of the crazy jumping frogs that you made and the results of your experiment. Share them with us @MOSHJax and use #MOSHConnect!