

# Mechanical Engineering: Fling Flyer

Complete the five steps to earn your Mechanical Engineering: Fling Flyer Badge.

1. **Learn about forces that affect flight:** Join Jessica to learn more about forces that affect flight!
2. **Design and build a fling flyer:** Follow this tutorial to learn how to build your very own fling [flyer](#).
3. **Test your fling flyer:** Head outside and test out your fling flyer. Take note of how far it soars, how high up it travels, and the path it follows. You could even have a friend or family member make a fling flyer too and compare their flights!
4. **Analyze and share your results:** Try to fly your fling flyer three times and share your results with your family and friends.
5. **Brainstorm ways to improve your design:** With help from your test runs and feedback from family and friends, see if you can improve your design and make it even better.