

# STEM ACTIVITY

## Paul Keeps the Faith

Total Time: 12 minutes  
In Class Time: 10 minutes

You will need:

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- Letter size (A4) paper
- Cellophane tape



**STEP 1: TEACH:** Joy wondered why God didn't just fix her mom's illness. And she learned that, when things don't go how you'd like, you learn patience—and your faith can grow! We're going to make a very unique type of paper airplane, and try it out until we get it right.

**STEP 2:** Show the children how to make a Flying Tube airplane according to the following instructions.

- A) Fold your paper on itself lengthwise, one-third of the way from the right edge.
- B) Fold the newly folded edge onto itself again, lining it up with the original paper edge.  
This will make a thick folded band on the right side of the page.
- C) Fold that band onto itself as in B.
- D) With the folded side down, drag the paper across the edge of a table, curling it across the folds. Repeat this once or twice more to get a good curl.
- E) Overlap each end of the curled paper about an inch (25 mm) to make a cylinder.
- F) Tape the outer edge of the overlapped portion to hold it together.

**STEP 3:** Have the children make their own Flying Tube and find the best way to fly it. Consider these questions...

- What is the best way to throw it? Upward or downward? Forcefully or gently?
- How can you improve the design?
- What effect does changing the diameter of the cylinder have on how it flies?