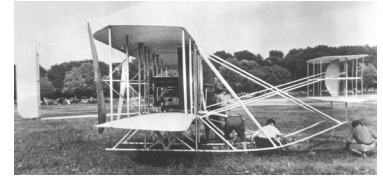


**NORTH CAROLINA:**  
Outer Banks Activity



# BUILD A HIGHER FLYER

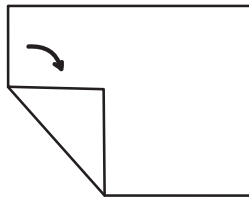
Orville and Wilbur Wright tried many different design ideas before their successful first flight, which lasted about 12 seconds and traveled 120 feet.

Fold and fly the basic paper airplane design below, then follow the Wright Brothers' lead and try to design a better paper airplane that will stay in the air longer and fly farther. Experiment with different folds, paper weights, and other creative changes. Decorate the wings of your favorite flyer and record the distance it traveled and how long it stayed in the air. How does your paper plane's performance compare to Orville and Wilbur's first design?

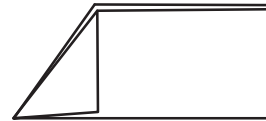
"The airplane stays up because it doesn't have the time to fall." - Orville Wright



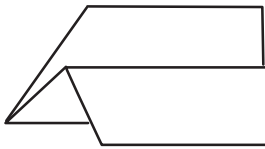
**STEP 1**



**STEP 2**



**STEP 3**



**STEP 4**



**STEP 5**



**STEP 6**

**Plane Design Data**

DATE/TIME	PLANE DESIGN	TIME IN AIR	DISTANCE	WHAT WORKED? WHAT DID NOT?
December 17, 1903, 10:35 am	Wright Bros. First Powered Flight Design	12 seconds	120 feet	They FLEW!
December 17, 1903	Trial 2	unrecorded	175 feet	Wobbly
December 17, 1903	Trial 3	unrecorded	200 feet	Getting better at controlling the plane
December 17, 1903, 12:00	4th flight try of the day	59 seconds	852 feet	Exciting progress. Frame near front rudder broke.
	#1 My Basic Paper Plane			
	#2			
	#3			
	#4			