

# Float/Sink Canoe Challenge



**THE CHALLENGE:** Design a canoe out of aluminum foil and let it float in water. How many animals will the canoe hold before it flips or sinks?

## **MATERIALS:**

- Aluminum Foil
- Small Animal figures
- Empty container about  $\frac{3}{4}$  full of water.

## **INSTRUCTIONS:**

1. Have your child design an aluminum foil canoe that floats.
2. Fill a container with water (about  $\frac{3}{4}$  full).
3. Place the canoe in the water.
4. Slowly place animals in the canoe one by one. Count aloud as you do this.
5. Continue to put animals in the canoe until it sinks to the bottom of the container.

**BONUS CHALLENGE:** Try designing another canoe, or boat, and see how many animals that one holds. There are so many things to try when it comes to designing canoes or boats. You can make it wider, narrower, longer, shorter, taller, or shallower. Which design holds the most animals before sinking?