



# PILGRIM PENNY BOAT

CAN YOU BUILD A BOAT THAT WILL HELP THE PILGRIMS TRAVEL ACROSS THE POND? HOW MANY PILGRIMS CAN YOUR BOAT HOLD WITHOUT SINKING? TRY THIS STEM EXPERIMENT TO FIND OUT!



**MATERIALS NEEDED:** ALUMINUM FOIL SQUARES (6 INCHES X 6 INCHES), PENNIES, CONTAINER OF WATER

**ACTIVITY:** USING ALUMINUM FOIL (WHICH SINKS), CAN YOU MAKE A BOAT THAT FLOATS? HOW MANY PENNIES CAN YOUR ALUMINUM FOIL BOAT HOLD BEFORE IT SINKS?

## THE PLAN:

MAKE A DRAWING OF YOUR BOAT	HOW WILL YOU LOAD YOUR PENNIES INTO YOUR BOAT?		
	PLACE THEM IN THE MIDDLE	PLACE THEM AROUND THE OUTER EDGE	PLACE THEM EVENLY EVERYWHERE - DEPENDS ON HOW IT LEANS

## THE TEST:

YOU HAVE THREE (3) TRIES TO GET AS MANY PENNIES ON THE BOAT AS YOU CAN BEFORE IT SINKS. WRITE THE NUMBER OF PENNIES FOR EACH TEST.

TRIAL #1	TRIAL #2	TRIAL #3

## THE RESULTS:

NUMBER OF PENNIES OUR BEST TRY HELD

## CONTINUING THE CHALLENGE:

TRY BUILDING ANOTHER BOAT WITH A DIFFERENT LOOK AND TRY THE TESTS AGAIN TO SEE IF YOUR SECOND BOAT IS MORE SUCCESSFUL THAN YOUR FIRST!

TRIAL #1	TRIAL #2	TRIAL #3