Геат Numb	er	Name:	Tea	mmates:	
E	Build ₋ a-	Boat S	TEM Ch	allenge	,
_	uild a boat that		a dangerous moa the princess dry, b		
	Al: Using supplications the fastest time		kit, build a boat tha	t will float across	a basin
	-	or float in a liquid ions for the followi	depends mainly oring words:	n two factors: de	nsity and
Density: _					
Buoyancy:					
		r kit to determine u have 10 minutes	if they will sink or f	loat. Use the ref	erence
	ltem	Sink or Float?	Item	Sink or Float?	
F	Plastic bag		Paper clip		
F	Plastic cup		Twist tie		
-	Pencil		Pipe cleaner		_
	Plastic wrap		Sucker		
	oil		Cardboard box		-
	Smarties		Candy hearts		
	Rubber band		Popsicle stick]

What materials might be the best to use in boat design? _____

Design: You have 30 minutes to build, test and redesign your boat.

Keep in mind:

- The princess must stay afloat on the boat—she cannot fall off or get wet.
- You boat must be fast as well as seaworthy. What type of design will move the fastest?

Build a Boat Data

Team	Did the boat stay afloat?	Did the princess stay dry?	Time to cross in seconds?	Notes
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

Conclusions

Using your data as evidence, what type of boat was the most successful and why?

Reflections

What did you learn from this experiment? What worked and what didn't? What would you do differently next time and why?
How did your boat's effectiveness compare to your classmates'? What do you think made the difference?