



**BUBBLE TROUBLE
MECHA EXPERIMENT**
CAN YOU CATCH A SOAP BUBBLE
WITHOUT POPPING IT?



**LEARNING BENEFIT:
EXPERIMENTS ARE NOT ONLY
SUPER FUN, THEY ALSO BUILD
STEM MECHAPOWERS AND
PERSISTENCE!**

Help your little superhero think critically about Science, Technology, Engineering, and Math like Mecha Builders Cookie, Abby and Elmo with this super science experiment!

PLAN IT!

1. Help your STEM superhero gather all the materials: a bottle of bubbles, a bowl of water, a bowl of soapy water, and a towel.
2. Explain the experiment: We're going to try to catch bubbles without popping them by putting different things on our hands.
3. Have your little one guess what will happen to the bubbles when they land on dry hands, wet hands, and soapy hands.

DRY hands will make the bubble _____

WET hands will make the bubble _____

SOAPY hands will make the bubble _____

TEST IT!

- Blow bubbles and carefully try and catch them with **DRY hands**...
- Blow bubbles and carefully try and catch them with **WET hands**...
- Blow bubbles and carefully try and catch them with **SOAPY hands**...

SOLVE IT!

1. Ask your child what they observed...

DRY hands made the bubbles _____

WET hands made the bubbles _____

SOAPY HANDS made the bubbles _____

2. Discuss what their results might mean:
 - What's on your hands affects what happens to the bubbles.
 - Bubbles don't pop when they land on things that are similar to what the bubbles are made out of!

Now that you and your superhero figured that out... have a bubble party! Blow lots and lots of bubbles and pop them or catch them or just watch them float magically in the air!

Cartoonito Extra: Test your experiment results by using different parts of your body to catch bubbles! Put soapy water on your knee or your elbow and try to catch a bubble on it! What happens?

