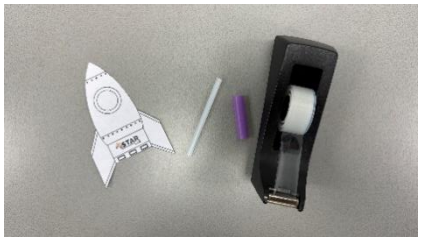
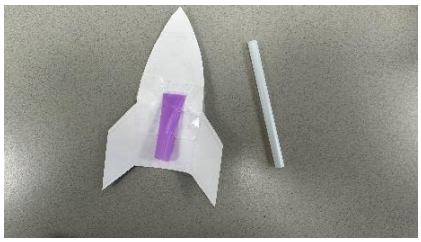
STAR LAB Scientific Thinking and Representation Laboratory

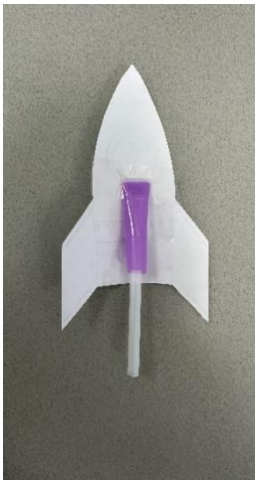
Materials

- Spaceship template
- Scissors
- Large and small diameter straws
- Tape
- Decorating supplies

Straw Spaceship Engineering







Instructions

1. Cut out the spaceship template
2. Cut a short section of the large diameter straw and a large section of the small diameter straw
3. Using tape, close the top end of the larger straw and then attach it to the back of the rocket ship
4. Insert the smaller straw into the larger straw
5. Aim up and blow into the straw for blast off!

Try This at Home!

Help your child tackle these engineering challenges!

1. Distance: Is there some way to make the spaceship go farther?
2. Height: Can you make the spaceship travel higher?

Questions to explore with your child:

- How does the length or width of the straw change its flight?
- Does the shape or size of the spaceship affect its speed?
- Does bending the rocket's wings change the flight path?

About the Lab:

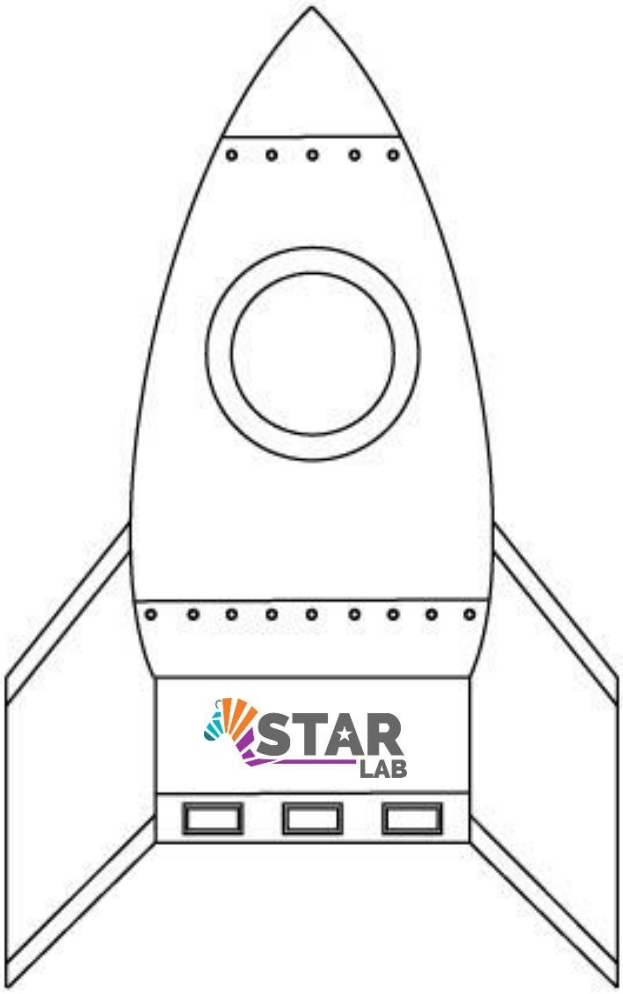
At the STAR Lab, we are interested not only in what children know, but how they learn it!

Understanding science is a vital part of daily life. We study the development of children's scientific thinking skills so that we can help them to navigate an increasingly more scientific world.

Before children enter elementary school, they already have the tools for figuring out cause-and-effect relationships. Our lab studies the nature of these thinking abilities and how they develop over time.

For more information about the STAR lab and for more awesome engineering challenges, visit us at:

www.starlabkids.org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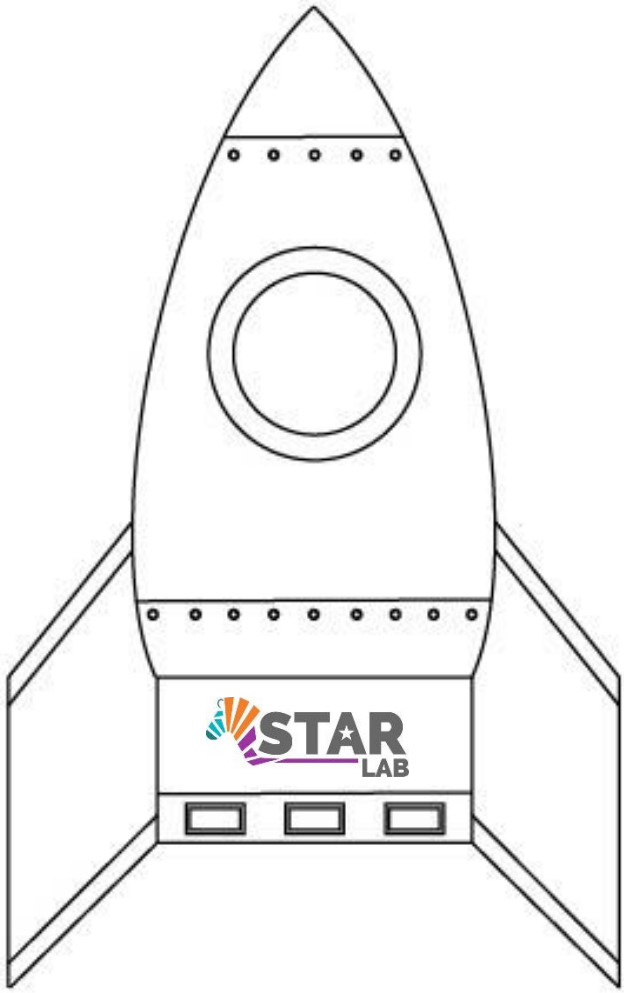
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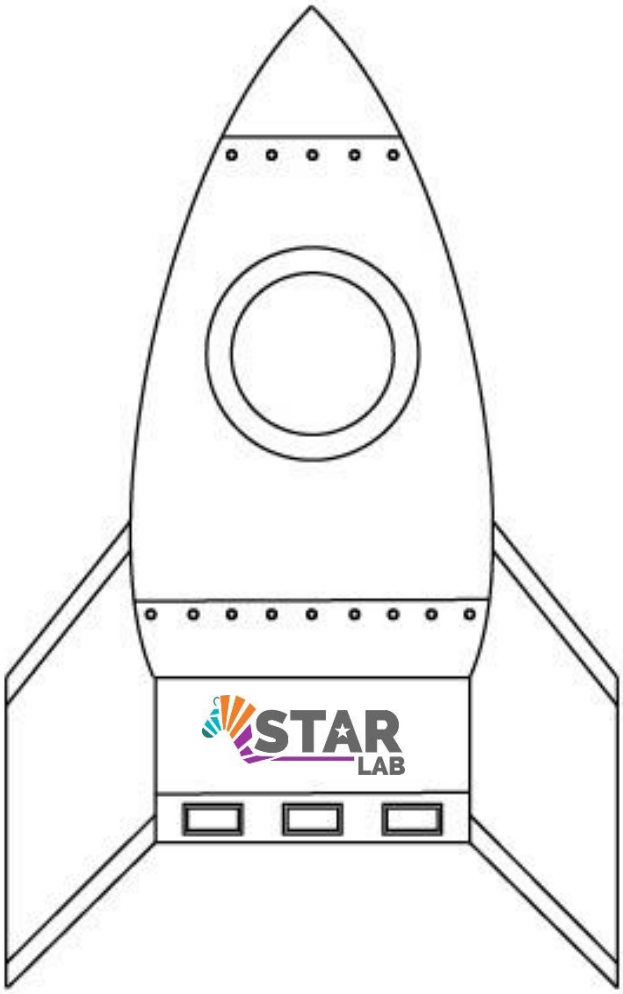
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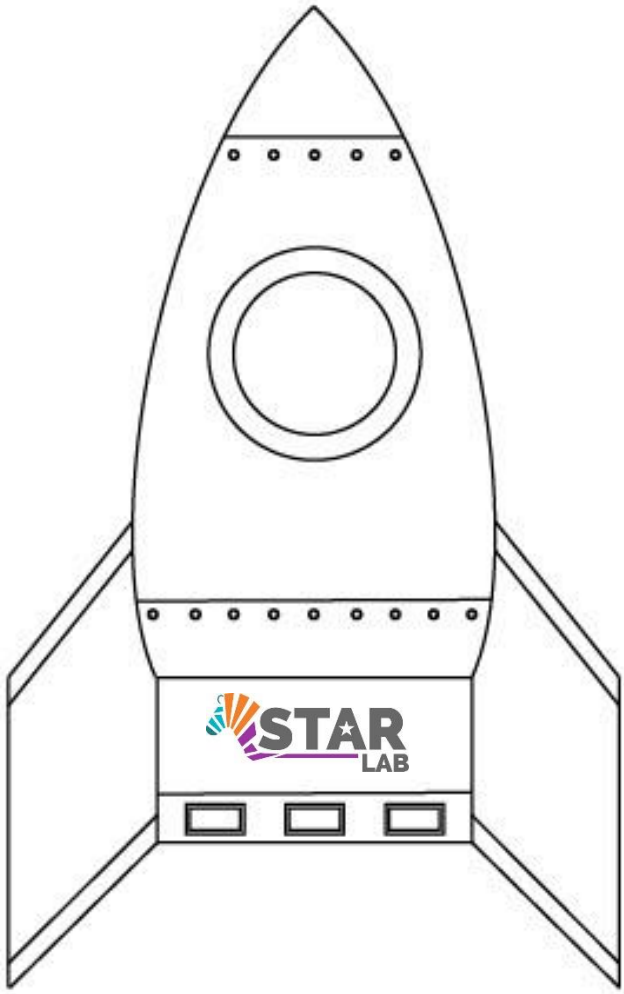
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