

DAISY GIRL SCOUTS WORKSHEET



THE
FRANKLIN
INSTITUTE

Daisy Scouts can work towards Badges through activities at The Franklin Institute.

ACTIVITIES AT THE FRANKLIN INSTITUTE

Walk around the museum and participate in activities while talking to scientists to make connections between badges and our exhibits.

ROBOTICS 2 BADGE

BADGE STEPS

1. Learn about the parts of a robot
2. Find out how robots move
3. Make a robot move

EXHIBITS TO VISIT

- *Tech Studio*

ACTIVITIES

1. In *Tech Studio*, look for the Cubelet robots.
2. In *Tech Studio*, talk to a volunteer about robots.
3. In *Tech Studio*, look for the Cubelet robots.

SPACE SCIENCE ADVENTURER BADGE

BADGE STEPS

1. Explore the Sun
2. Observe the Moon
3. Meet the Stars

EXHIBITS AND THEATER SHOWS TO VISIT

- *Space Command*
- *Night Skies* (\$)
- Fels Planetarium
- Observatory

ACTIVITIES

1. In the Observatory, look for the Zeiss refracting telescope. Ask our volunteers questions about what you notice. Furthermore, in *Space Command*, notice how the sun moves throughout the year in the movements of the sun device.
3. In *Space Command*, look for an actual Moon rock! Or, join us for a Night Sky event or a *Sky Tonight* show in our Planetarium.

Note: Planetarium admission is included with individual tickets and is a \$5 upcharge for groups. Night Skies is a separate event, call ahead for tickets and availability.

ACTIVITIES AT THE FRANKLIN INSTITUTE

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THINK LIKE A CITIZEN SCIENTIST BADGE

BADGE STEPS

2. Do hands-on activities to learn how to make observations and collect data

EXHIBITS TO VISIT

- *Your Brain*
- *Sir Isaac's Loft*
- *Changing Earth*

ACTIVITIES

2. The Franklin Institute has a countless number of hands-on activities for you to enjoy! Go to any of our exhibits to observe how things behave in different circumstances. Take notes on your findings!

For Example:

In *Changing Earth*, build structures on the earthquake table to see which one stands the longest and explain why.

In *Your Brain*, how does the science of body language change when someone is feeling something?

In *Sir Isaac's Loft*, are you able to understand weight distribution by pulling a lever from further away? Why?

THINK LIKE AN ENGINEER BADGE

BADGE STEPS

1. Find out how engineers use design thinking to solve problems

EXHIBITS AND THEATER SHOWS TO VISIT

- *Dream Big: Engineering Our World*
IMAX® Film (\$)
- *Tech Studio*

ACTIVITIES

1. Learn about how engineers use their imaginations to create solutions for the problems of the future in the IMAX® film, *Dream Big*. What are some of the ways that engineering challenges have been solved in your community? Also, in *Tech Studio*, look for the spinning top or K'NEX design challenges.
- * *Dream Big* is a limited engagement IMAX® Film. Check ahead to make sure its playing during your visit.