

JUNIOR ENTERTAINMENT TECHNOLOGY BADGE – MEETING 2

Badge Purpose: When girls have earned this badge, they’ll know the science behind the world of entertainment.

Activity Plan Length: 1.5 hours

Time	Activity	Materials Needed
15 minutes	Getting Started <ul style="list-style-type: none"> Girls recite the Girl Scout Promise + Law 	<input type="checkbox"/> (Optional) Girl Scout Promise and Law poster
30 minutes	Roller Coaster Mania <ul style="list-style-type: none"> Girls explore the science of amusement park rides 	<input type="checkbox"/> Marbles <input type="checkbox"/> Oak tag, thin cardboard, or tagboard <input type="checkbox"/> Tape <input type="checkbox"/> Books <input type="checkbox"/> Cups <input type="checkbox"/> Scissors <input type="checkbox"/> Paper <input type="checkbox"/> Writing utensils
30 minutes	Build Your Own Video Game Set <ul style="list-style-type: none"> Girls dig into video game development 	<input type="checkbox"/> Oak tag, thin cardboard, or tagboard <input type="checkbox"/> Tape <input type="checkbox"/> Books <input type="checkbox"/> Cups <input type="checkbox"/> Scissors <input type="checkbox"/> Paper <input type="checkbox"/> Writing utensils <input type="checkbox"/> (Optional) Camera
15 minutes	Wrapping Up	<input type="checkbox"/> (Optional) Make New Friends lyrics poster

Getting Started

Time: 15 minutes

Materials Needed: Girl Scout Promise and Law poster (optional)

Welcome everyone to the meeting, recite the Girl Scout Promise and Law.



Activity #1: Roller Coaster Mania

Time: 30 minutes

Badge Connection: Step 3 – Try the science of amusement park rides

Materials Needed: Marbles, oak tag, thin cardboard or tagboard, tape, books, cups, scissors, paper, writing utensils

Prep Needed:

- Cut oak tag, thin cardboard, or tagboard into approximately 11” x 2” strips.
 1. Split the girls into groups of 3 or 4. Give each group a cup, a marble, and some of the other supplies.
 2. Explain to the girls that they are going to explore amusement parks by building their own roller coasters. The marble will be the “car” and the other materials can be used to build the track. Girls should work together in their groups to build a roller coaster from the given supplies. They can plan their coaster before they start building using the paper and writing utensils.
 3. You may need to help girls with some of the more difficult building aspects.
 4. Encourage girls to try to make U-turns, loops, and hills. For an extra challenge, girls can try to get the marble to fly through the air into the cup.
 5. Have girls demonstrate their coasters to other groups when they are finished.

Activity #2: Build Your Own Video Game Set

Time: 30 minutes

Badge Connection: Step 2 – Dig into video game development

Materials Needed: Oak tag, thin cardboard or tagboard, tape, books, cups, scissors, paper, writing utensils, camera (optional)

1. Split the girls into groups of 3 or 4. These should be different groups than the previous activity.
2. Explain to the girls that the next part of entertainment technology they’re going to learn about is video game development. When making certain kinds of video games, designers need to be able to show the scene they’re designing from a variety of angles. To do this, they build models. Girls are going to build a model of a house or other simple building.
3. Girls should use the writing utensils and paper to design their set first.
4. Girls may need adult help to conceptualize what they want to build and cutting some of the materials.
5. Optional: Use a camera to take pictures of the “set” from different angles. These pictures would be what a character would see in a video game.

Wrapping Up

Time: 15 minutes

Materials Needed: Make New Friends lyrics (optional)

Close the meeting by singing Make New Friends and doing a friendship circle.

More to Explore

- Field Trip Ideas:
 - Take girls to visit an amusement park and talk about the different types of rides.
 - Have a “video game night” sleepover at a leader or girl’s house.
- Speaker Ideas:
 - Invite a video game designer or tester to your meeting.
 - Invite someone who owns an entertainment business to your meeting to talk about their business and what they do.

