

JUNIOR JEWELER BADGE - MEETING 2

Badge Purpose: When girls have earned this badge, they will know how to make different kinds of jewelry.

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
10 minutes	Meet a Jeweler <ul style="list-style-type: none"> Girls get to know the tools of the trade . 	<input type="checkbox"/> Computer with internet access
15 minutes	Button Ring <ul style="list-style-type: none"> Girls turn everyday objects into jewelry by turning buttons into rings. 	<input type="checkbox"/> Adjustable ring base (1-2 per girl) <input type="checkbox"/> Buttons <input type="checkbox"/> Glue dots or super glue
25 minutes	Polymer Clay Bead Jewelry <ul style="list-style-type: none"> Girls make a sparkling gift. 	<input type="checkbox"/> 2-4 packs of polymer clay <input type="checkbox"/> Cutting board or plate <input type="checkbox"/> Toothpicks <input type="checkbox"/> Cord, thread, or elastic <input type="checkbox"/> (Optional) Oven <input type="checkbox"/> (Optional) Baking sheet (if using oven) <input type="checkbox"/> Clear plastic sandwich bags
15 minutes	Snack Chat <ul style="list-style-type: none"> Girls enjoy snack while discussing what they have learned. 	<input type="checkbox"/> Healthy snack
15 minutes	Wrapping Up	<input type="checkbox"/> (Optional) Make New Friends song lyrics poster

Getting Started

Time: 15 minutes

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

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



Activity #1: Meet a Jeweler

Time: 10 minutes

Badge Connection: Step 1 – Get to know the tools of the trade

Materials Needed: Computer with internet access

Prep Needed:

- Set up computer and pull up the videos listed in the resources section below before the meeting begins.
1. Explain to the girls that there are numerous ways to make jewelry and it requires various tools and techniques. The way that you make jewelry changes depending on what materials are being used (beads and wire, silver and gold, gemstones, diamonds, wood, glass, metal, recycled materials, etc.).
 2. Watch the following YouTube videos:
 - Chuck Koehler, a bench jeweler and gemologist, describes different tools he uses to make jewelry: jeweler's bench, torch, pliers, wire cutters, round-nose needle-nose pliers, flat file, half-round ring file, saw frame, ring mandrel and hammers (raw hide mallet, brass hammer, and ball peen chasing hammer) youtu.be/df4ylXOzx8c
 - Meet Marisa Martinez, a local jeweler and small business owner: youtu.be/FT0x5QxaGI4. Visit Marisa Martinez's website for more information: marisa-martinez.com
 3. Ask the girls if they know about any tools or techniques for jewelry making that weren't mentioned in the videos.

Activity #2: Button Ring

Time: 15 minutes

Badge Connection: Step 3 – Turn everyday objects into jewelry

Materials Needed: Adjustable ring base; buttons; glue dots or super glue

1. Share with the girls that jewelry doesn't have to be made from expensive metals and gemstones. Recycled or "up-cycled" jewelry can be made from things like pop tabs, safety pins, old silverware, paper beads, and more!
2. Have girls choose which buttons they would like to use. Encourage them to try mixing colors and layering buttons of different sizes for unique looks.
3. Glue the buttons to each other if they are using more than one for their ring. Glue buttons to the ring base. Let dry.

Activity #3: Polymer Clay Bead Jewelry

Time: 25 minutes + baking time

Badge Connection: Step 5 – Making a sparkling gift

Materials Needed: Polymer clay; cutting board or plate; toothpicks; cord or elastic; (optional) oven; (optional) baking sheet; plastic sandwich bags

Prep Needed:

- (Optional) Practice making beads prior to the meeting. For a bead tutorial: <http://gsrv.gs/1f7YyXH>.
1. Explain to the girls they are going to make a bracelet or necklace for a friend or relative. Hand them each a chunk of polymer clay.
 2. Girls need to soften the polymer clay. The clay needs to be kneaded and worked to make it soft and squeezable or it will crumble and crack. The best way to do it is to break off chunks of the clay and roll it in the palms of your hands. Continue to roll the piece in a ball until it is warm and soft with no cracks or holes and is not crumbling. Give them the chance to feel and play with the clay, try making different shapes.
 3. Have girls pick 2-4 colors they wish to use and roll into different sized bead balls. They can also combine colors. Roll two or more small pieces different colored clay together. The balls will have swirls of pattern from the mixed clay.



4. Next, punch holes in the beads. Use a toothpick to poke a hole all the way through each bead. Make the hole big enough for every bead so you can get the cord or thread through easily by hand. Note: Do not forget to poke the holes before you bake the clay. The clay will harden after it's baked and you won't be able to poke the holes after they are cooked.
5. If an oven is available at your meeting space, girls can help bake the beads. This hardens them permanently. While following Safety Wise, preheat the oven to the temperature listed on the clay package. Set the beads on a cookie sheet (they do not expand the way many types of cookies do so you can put the beads closer together and fit many beads on one large cookie sheet). You can use parchment paper if you are concerned about them sticking. Bake for the listed amount time.
6. Let the beads cool completely and string the beads to make bracelets, necklaces or even key chains. It may be easiest to string them using a sewing needle.
7. If oven is not available, give girls a baggie to take their beads and thread home, along with baking instructions. Girls can bake beads at home with an adult to finish the activity.

NOTES: You will need 2-4 packs of polymer clay depending on the size of the group. It comes in various colors and can be purchased in packs at Michael's, Wal-Mart, Kmart, Staples, or other locations. Brands to look for include Fimo, Sculpey, Cernit, Formello, Modello, and Kato Polyclay. You can also use plain white polymer clay and have the girls paint them after they are baked with acrylic paint or fingernail polish.

Activity #4: Snack Chat and Friendship Pledge

Time: 15 minutes

Badge Connection: Questions link to multiple badge steps

Materials Needed: Healthy snack

1. While enjoying a healthy snack, ask the girls the following questions:
 - Do you know any local artists who make jewelry?
 - Have you ever seen jewelry in a museum?
 - What careers could you have with jewelry?
 - Do you know your birthstone?

Wrapping Up

Time: 15 minutes

Materials Needed: (Optional) Make New Friends song lyrics poster

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

More to Explore

- Field Trip Ideas:
 - Visit a craft fair or local jewelry store or artist's studio.
 - Go to a museum with art and jewelry from different cultures throughout history. Notice the materials used.
 - Visit a cultural festival where costumes include jewelry, and find out about their significance.
- Speaker Ideas:
 - Invite a local jeweler or artist to your meeting. Ask them to show you a new technique and some of their tools.

