

NUTT AND BOLT

Family Guide

Talk about Machines

(Cognitive Development & Comprehension, Language Control & Speech, Auditory Learning)

Nutt and Bolt are robots. They're music making machines! Before you see the show, talk with your students about machines. Begin by asking them what a machine is. *Can you name a machine in our house?* The computer, lamps, coffee maker, and stapler are all machines! A machine is any item with different parts that work together to do a job.

Recommended Reading

(Comprehension, Listening, Early Literacy)

If you and your little ones enjoyed *Nutt and Bolt*, you might like these books about robot friends and recycling:

[Don't Throw That Away!](#) by Lara Bergen and Betsy Snyder

[Michael Recycle](#) by Ellie Bethel and Alexandra Colombo

[The Robot Book](#) by Heather Brown

[Boy and Bot](#) by Ame Dyckman and Dan Yaccarino

Let's Move: Rhythm

(Creative Expression, Fine/Gross Motor Development, Listening and Auditory Development)

Nutt and Bolt features lots of sounds. Practice listening and rhythm with your family with this simple chant. Play a drum or drum on the ground at different speeds as you chant:

Move your feet, feet, feet to the beat, beat, beat of the drum, drum, drum!

Repeat with different speeds or rhythms. Once you get the hang of it, try moving in different ways (clap your hands, wave your arms, run around).

Robot Painting

(Creative Expression, Fine/Gross Motor Development)

- Aluminum Foil (cut into big squares)
- Long Rectangle (3-4" longer than the foil)
- Circles (for eyes)
- Small Rectangle (for mouth)
- Glue Paint



Begin by gluing the aluminum foil to the large rectangle. It should sit in the middle, leaving construction paper sticking out of either side (like robot ears). It's okay if it's not exactly in the middle; it gives each robot character! Next, paint the foil. Mix and swirl the glue paint to make patterns. Once each robot is covered, glue on the circles for eyes and the small rectangles for the mouth.

Capture Those Creative Moments!

How did *Nutt and Bolt* inspire you? Take a photo of you and your family enjoying activities such as robot painting, creating upcycled instruments, and more! Post photos of your little one exploring the world of robots and recycling to social media with #AOTHRobots—we can't wait to see!

Upcycled Sound!

(Creative Expression, Fine/Gross Motor Development, Listening and Auditory Development)

Make your own homemade band with these upcycled instruments!

Plastic Bottle Shaker

- Plastic Water Bottle (with cap)
- Beads, Beans, Glitter, Sand, etc. (to fill bottle)
- Funnels (you can make your own out of card stock)
- Spoons or Scoops
- Glue

Set up a station with different materials to fill a bottle. Use a funnel to fill the bottle with beads, beans, glitter, sand, or anything else that might make noise when shaken. Fill bottles no more than a 1/4 of the way for the best sound. Put the cap on to test the sound. Then empty or fill to adjust sound. Once satisfied, use glue to seal the cap on your bottle. Shake along to your favorite song!



Bottle Cap Cymbals

- Corrugated Cardboard (cut into 5-1/2" by 1-1/2" rectangles)
- 2 Bottle Caps (per each piece of cardboard)
- Glue

Fold cardboard in half. Fill bottle caps with glue, make sure to fill it completely full, almost over-full, so the glue will touch the cardboard. Please one cap on either side of the cardboard. Double check that the caps will touch when clapped together. Let dry overnight (optional: place a book or heavy object on after they have dried for a few hours). Once dry, you can paint them or play right away!



Aluminum Can Drums

- 5-8 Aluminum Cans (a variety of sizes and types)
- Drumsticks, Chopsticks, or Dowel Rods

Clean, rinse, and remove labels before you paint/decorate the cans. Once dry, turn upside down and play with chopsticks, drumsticks, or dowel rods!

Empty Box Harp

- Empty Cereal, Cracker, or Tissue Box
- Rubber Bands (a variety of sizes and widths)
- Scissors or Knife
- Masking Tape

If using a cereal or cracker box, cut a hole in one side (like in a tissue box). Stretch rubber bands over the box, so they cross the hole in the top. You might tie knots in rubber bands to make them tighter. If the rubber bands are sliding, you can secure them on the bottom or sides with masking tape. Decorate or paint and play a song!