

## WHAT IS AN AUTOMATA?

Automata derives from the Greek word, αὐτόματα, which means “acting of one’s own will.” For the Gingerbread House, we have designed a simple mechanical system to have Santa dance on top of the chimney to give the illusion that Santa is acting on his own power. In reality it is being powered by you via our connectors, wheels and wood dowels.



## DECEMBER DESIGN CHALLENGE

We will run a friendly #CorigoCreate Design Challenge for the most artistic and well-designed Gingerbread House. Please email your pictures and/or videos to [info@coricreate.com](mailto:info@coricreate.com) by December 23rd to participate. The community challenge will be judged by the following criteria:

- CORI Craftsmanship
- Artistic Design
- Design Description
- Overall Creativity (layering with other materials)

Winners will be featured on our social media and will receive a small prize.



## TECHNICAL SUPPORT

Please visit our support page to watch video tutorials and download key CORI documents: <https://coricreate.com/pages/support> Contact us directly for support at [support@coricreate.com](mailto:support@coricreate.com) if you have any questions.

## CONTACT US

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# Gingerbread House

'Tis the season for some holiday cheer and what better way to boost your STEM & artistic skills than our new CORI “Gingerbread” House Kit. This STEM project goes beyond the traditional version, as we amplified the CORI “gingerbread house” with a dancing Santa, functional door, and a removable roof for interior decorating. Limit the sweets this year and reimagine your own gingerbread house with this new, modern twist to a classic holiday experience.



## GETTING STARTED GUIDE

Thank you for purchasing the holiday edition CORI “Gingerbread” House Kit, and welcome to the #CorigoCreate Community! We are excited for you to join our maker movement with our modeling kits, maker tools, and innovative materials. Now that you have your own CORI kit, here are the resources and information you need to get started.

## MEASURE TWICE, CUT ONCE

Our products are not your typical kits with pieces that fall perfectly into place. It requires planning, constructing, testing and rebuilding. Things will fail, break and not align. That is the learning we thrive on and find so valuable. Enjoy the journey as much as the product you create. Just remember, every cut matters with CORI!

## SETTING UP FOR SUCCESS

This section will provide prompts and tips for a successful "Gingerbread" House building experience for you and your child(ren).

**Recommended Ages:** 10+ (Independently) and 5+ with Parent/Guardian Help

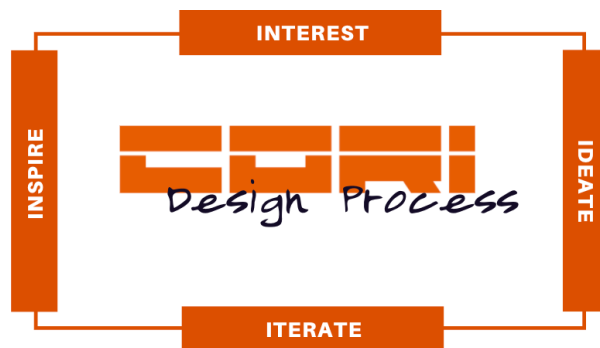
**Build Time:** 2 - 3 hours

(additional time needed for art and decorations)

**Skills Needed:** Creativity, Problem Solving, and Grit

First **5 steps** to get started on the right path!

1. Download the instructions with the QR code.
2. Spread out your building days, an hour a day is a good starting point.
3. Watch the "How to" video tutorials on our YouTube Channel: <https://bit.ly/31qnEwa>
4. Have an organized place to build.
5. Have your scissors, glue gun, and cutting mat (optional), extra art supplies and decorations ready to use.



The **CORI Design Process** prompts will help facilitate the learning experience. We encourage parents to use these prompts to help your child(ren) learn about the engineering design process in a fun interactive way.



### Phase 1: Building Interest

Fun facts about gingerbread houses.

1. *Gingerbread* is an old french word that means preserved ginger.
2. First gingerbread house was created in Germany and drew inspiration from the story of Hansel and Gretel. Dinkelsbühl, a south German town, is known to be the real-life town of gingerbread houses.
3. The world's largest gingerbread city is in Bergen, Norway.

**Interest Prompt:** Who/what will be dancing on the automata? How can you decorate/design to enhance the dancing automata?



### Phase 2: Ideation prompts to keep the learner engaged

1. What else could you animate on top of the gingerbread house?
2. What other structures can you build with an automata?
3. What other objects would you like to move/animate and what motions would they have?

### Phase 3: Iteration prompts that challenge you to improve your designs.



1. How could you make Santa spin faster?
2. How could you make Santa move up and down further?
3. How could you limit Santa's motion to rotation only?



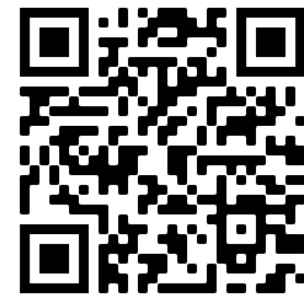
**Phase 4: Inspire others to build and create!**

## #CORICREATE COMMUNITY

Our growing #CoriCreate Community is a place to share your designs, ideas and connect with other CORI enthusiasts. We love when you share your projects on multiple social media platforms using our hashtag #CoriCreate. See you online and be on the lookout for our CORI Express newsletter!

## DOWNLOAD THE INSTRUCTIONS

Scan the following QR Code to download the instructions. You can also use the following link: <https://coricreate.com/pages/CORIculum>



## HOW TO FOLD CORI BEAMS

1. With the tape side facing up, fold along the creases.
2. Remove the liner from adhesive tape.
3. Fold cardboard sheet into a square beam.
4. Firmly press along the adhesive tape to secure the bond.