

SUMMER BREAK @HOME

with your Library



TINY DINO WORLDS!

Thank you for picking up your *Read. Make. Do: Tiny Dino Worlds!* Kit

Build a tiny dino terrarium complete with an exploding volcano! There are several STEAM activities in this program kit, including designing and building a volcano, learning about different types of dinosaurs, crafting a terrarium with materials found in nature, and experimenting with reactive chemicals. Participants are invited to share their creations with the library community. We are especially excited to see your volcanoes erupt!

In this kit, you will find:

- One copy of the book “Dinosaurs” for you to keep!
- Materials for three Tiny Dino Worlds projects
- Book list for further reading about dinosaurs
- Project instructions and links for accompanying project videos

There are three projects in this kit:

1. Make a papier-mâché volcano. We have included newspaper strips, paper cup, and paper plate for this project. You supply the glue or flour for the papier-mâché paste. Recipes for both are on the back of this sheet. Use crayons, paints, or colorful tape to decorate your volcano. Make your volcano first as you will need time to let it dry.
2. Make a dinosaur terrarium. We have included glow-in-the-dark rocks, big and little dinos, and a fake plant. You supply your imagination and items you find in nature to complete your terrarium.
3. After you have your terrarium and volcano put together, it is time to make it erupt! Lava recipe is on the back of this sheet. We would love to see it, so if you would like to share, have your camera ready as volcano eruptions go quick!

Share your photos and videos on social media with the following hashtags:

#RCLReadMakeDo

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Instructions

Project 1. Build volcano

- Attach paper cup to paper plate using tape. Make sure open part of the cup is facing up.
- Make a paste of either 1 part water/ 2 parts flour or 1 part glue (e.g. Elmers glue)/ 1 part water.
- Dip included newspaper strips in paste and apply to cup/plate. You may need more newspaper to crumple up to fill out the base of the volcano. Keep wrapping the paste wet newspaper until you have achieved your preferred volcano shape.
- Let dry thoroughly and decorate using paint/crayons/chalk/clay.
- This is a pretty messy project. You may want to work on it outside or make sure your indoor workspace is protected.

Project 2. Build a Terrarium

- You can use whatever container you like for this, but we have included a box lid if you would like to use that. We have included some dinos and glow-in-the-dark rocks, but you can fill the rest of your terrarium with sand, dirt, moss, leaves, shells, and small plants that you find in nature. Make sure to leave some room for placing your volcano.

Project 3. Make your volcano ERUPT!

- If you choose to make your volcano erupt (and we hope you do), make sure that you are working outside or on a protected surface. Also, volcanic eruptions go quick, have your camera ready!
- Place about 1/2 cup of baking soda in opening at the top of your volcano.
- Add a drop or two of red food coloring to a 1/2 cup of vinegar (food coloring is optional)
- When everything is ready, slowly pour the vinegar on top of the baking soda in your volcano. Stand back and watch the lava flow!

Instructional videos for each of these projects will be available on the Ramsey County Library's website starting August 4, 2020 at <https://www.rclreads.org/tiny-dino-world/>