

Salt Dough Ornaments

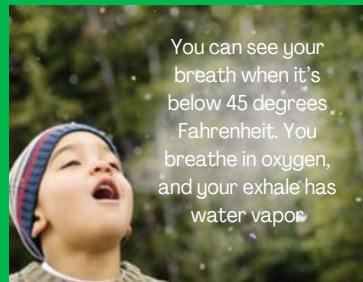
Ingredients:

4 cups flour
1 cup salt
1.5 cups water
Cookie Cutters
Art supplies for decorating



1. Combine flour, salt, and water. Knead well for 10 minutes.
2. Roll out the dough until 1/2 cm thick.
3. Cut out your ornaments with cookie cutters. Poke a hole for the yarn.
4. Air dry for a day or two.
5. Bake at 200 degrees Fahrenheit until completely dry (1-2 hours).
6. Once cool, decorate the ornaments however you like!

Note: This dough is not safe for eating. Keep away from pets.



You can see your breath when it's below 45 degrees Fahrenheit. You breathe in oxygen, and your exhale has water vapor.



During the winter season, the North Pole has an average temperature of minus 40 degrees Fahrenheit.

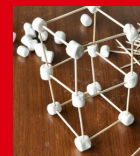
Marshmallow Winter Habitats

Materials Needed:

Marshmallows & Toothpicks

Step 1: What makes a home safe and cozy? In the winter, different animals find or build homes to help them stay warm. Brainstorm what would help a home stay safe and warm.

Step 2: Use your marshmallows and toothpicks to build a safe and cozy winter home! Stick the toothpicks into the marshmallows and use them as "joints" to build your structure.



DIY Balloon Snow Globe

- Tape
- 2 Paper Cups
- 1 Transparent Balloon
- Styrofoam Beads
- Holiday Glitter
- Foam Stickers



1. Fill one of your cups with Styrofoam beads.
2. Use the rim of the cup to stretch out balloon and insert Styrofoam beads into empty balloon.
3. Inflate your balloon and knot to finish.
4. Use tape to secure your "globe" balloon onto the other unused cup.
5. Lastly decorate your cup and balloon with festive holiday stickers. Then shake your snow globe to ENJOY!

Early Childhood STEM

Dec 21:

The Winter Solstice

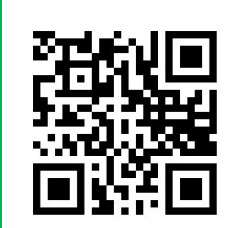
Jan 1:

New Year's Day

Jan 16:

Martin Luther King Jr. Day

SCAN FOR ALL ISSUES



Resources Provided By:



Share your STEM

Share a picture of your family doing these STEM activities on Instagram! @sdsstemecosystem Tag us and you could be the lucky winner of a STEM Prize!



@sdsstemecosystem

Wilson "Snowflake" Bentley



Bentley January 9, 1865
Jericho, VT
Died: December 23, 1931
Jericho, VT

Bentley was the first person to ever photograph a snowflake. Over time, he invented better and better ways to take pictures of snow. He photographed over 5000 snowflakes in his life! Thanks to his photographs, we know every snowflake is unique.



What is the San Diego STEM Ecosystem?

The San Diego STEM Ecosystem is a collaborative network of professionals working together to develop and advance initiatives related to STEM learning. One initiative of this group is to help families with young children and early childhood teachers by providing resources (like this newsletter!) to teach STEM concepts to learners from ages 0-8.

What is STEM?

STEM stands for Science, Technology, Engineering, and Mathematics. STEM is sometimes called STREAM - “R” for reading and “A” for Art. STEM Education focuses on teaching these subject areas in an interconnected and hands-on way that builds children’s ability to think scientifically and problem-solve independently.



Where can I learn more?

You can also visit the Ecosystem website to find local STEM learning opportunities and discover what is happening in our community:

← www.sdstemecosystem.com



Catch the Daily Dose of STEM on Instagram every week for tips and activity ideas for young STEM learners:

← @sdstemecosystem

See the instructions below for how to turn this newsletter into a booklet.
Even better, let your children do the cutting and folding for an extra STEM activity!

