

DECEMBER 2023

AT HOME STEAM IDEAS

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

If you are planning to spend time in the kitchen during the upcoming holidays, encourage your little ones to join you. Cooking is a great way to learn about chemical reactions and build math skills! Practice measuring, dividing, and multiplying ingredients, stirring and mixing, and manipulating dough.

01

02



03

READ

Ball & Balloon
by Rob Sanders

04

SCIENCE

Try experiments from **Super simple things to do with balloons** by Kelly Doudna

05

TECHNOLOGY

Experiment with static electricity and balloons.

06

ENGINEERING

Blow up balloons, attach a basket, and drop them off a ladder. Put different things in the basket and see how fast it falls.

07

ART

If the weather is cold enough, make frozen balloon art kitchentableclassroom.com

08

MATH

Try some of these balloon math activities coffeecupsandcayons.com

09

Write or draw about what you learned this week. Take a balloon on your weekly walk and see what happens in the cold weather!

10

READ

What To Do With A String
by Jane Yolen

11

SCIENCE

Get 5 different kinds of string. Tie them to something heavy and drop it from a stool or ladder. Do they break?

12

TECHNOLOGY

Get pieces of yarn, twine, and cotton string. Unwind the individual fibers and see how many pieces are there.

13

ENGINEERING

Do a pendulum experiment explorable.com/pendulum-experiment

14

ART

Make string art artfulparent.com/pulledstring-art-is-mesmerizing-and-addictive/

15

MATH

Cut and measure pieces of string. Line them up in order of length. Can you join some together? Measure them again.

16

Write or draw about what you learned this week. Go on a walk and look for how string and rope is being used.

17

READ

The Sound Of All Things
by Myron Uhlberg

18

SCIENCE

Do an experiment from **Science Experiments with sight and sound** by Alex Kuskowski

19

TECHNOLOGY

Make a pan flute with straws.

20

ENGINEERING

Make a harmonica with craft sticks

21

ART

Listen to music and draw what you hear

MATH 22

Make sounds like clapping or tapping. Have your child close their eye & count the number of different sounds he or she hears.

23

Write or draw about what you learned this week. Go on a walk and listen for different sounds.

24

READ

A Thousand White Butterflies
by Jessica Betancourt-Perez

25

SCIENCE

Check out the Snow themed MOBY kit from the Library to use at home this week

26

TECHNOLOGY

Use a microscope or magnifying glass to look at snowflakes.

27

ENGINEERING

Build something out of snow

28

ART

Use squirt bottles to draw in the snow.

29

MATH

Cut out snowflakes. Remember to make them symmetrical!

30

Write or draw about what you learned this week. Look at the snow on your walk.

Find us on social!



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Library**

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