

WINTER

A SCIENCE UNIT

Make learning about winter fun and engaging!



scroll
to take a
peek
inside

KINDER 28 activities

Here is what is included:

- ✔ Lesson plans for a week
- ✔ PowerPoints and printable posters
- ✔ Teacher resources to make instruction easier
- ✔ Winter lessons and hands-on activities
- ✔ Trees through the seasons lesson and craft
- ✔ Animals in winter lesson and worksheets
- ✔ Readers, writing, worksheets, and crafts
...and SO much more!

Here is a Sneak Peak:

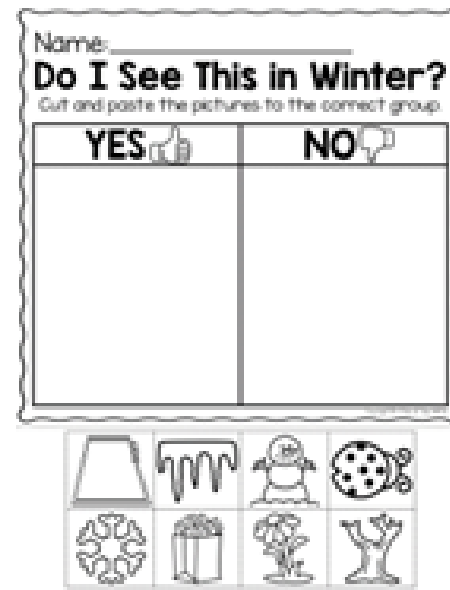


Engage your students in hands-on learning and exploration all about the winter season

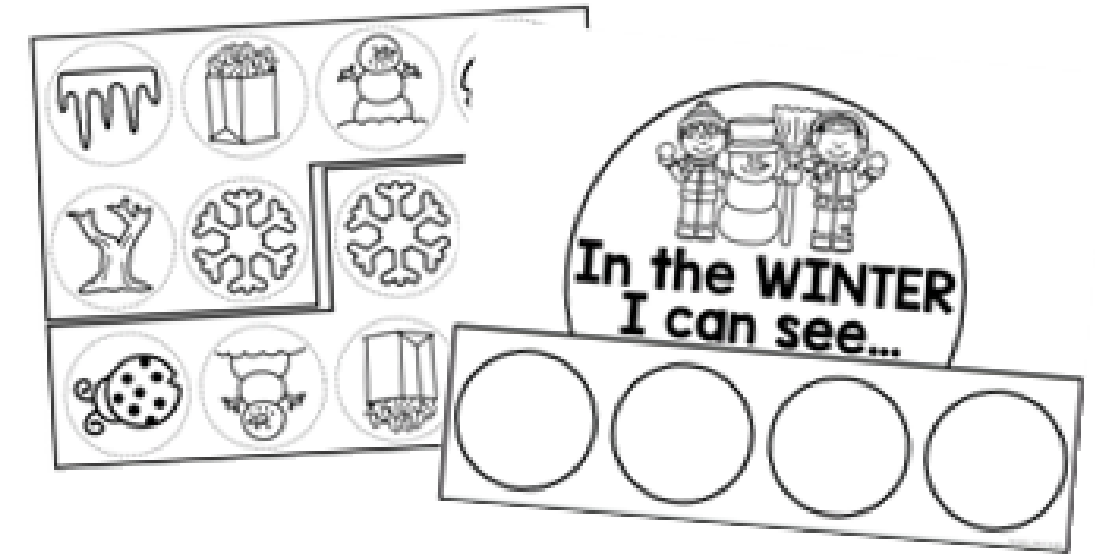
Take a Closer Look:



winter powerpoint



things we see worksheet



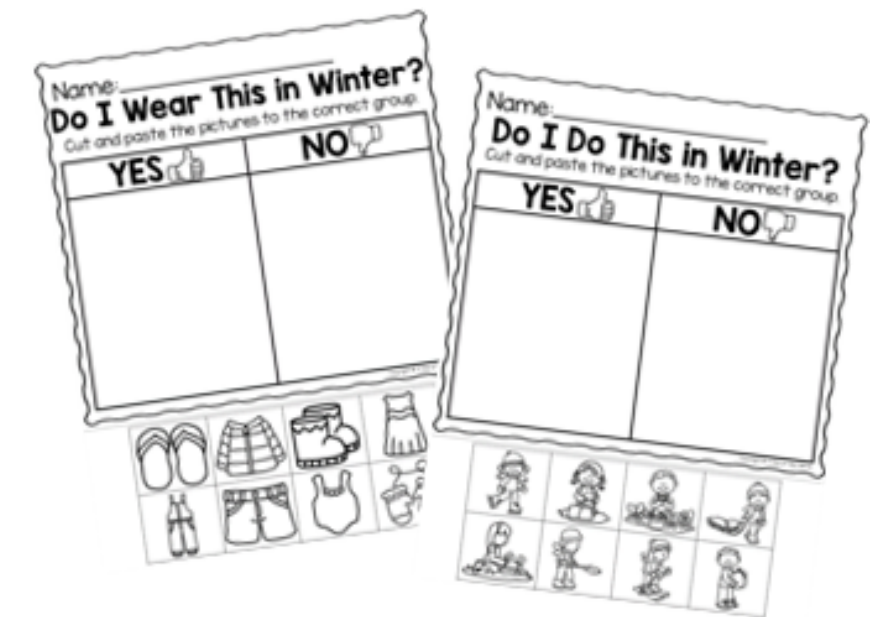
I can see hat



wear & do powerpoint



wear & do sort



wear & do worksheets

Take a Closer Look:



trees powerpoint



winter tree craft



animals powerpoint



animals worksheets



review craftivity



do in winter reader

Take a Closer Look:



WINTER science

MATERIALS needed

- Winter books (see list)
- Construction paper
- Copy paper
- Scissors
- Glue
- Coloring tools
- Stapler

M Monday

WINTER INTRODUCTION

- Read a nonfiction winter book.
- Introduce the season of winter by completing the Winter PowerPoint.
- Make an anchor chart for "In the Winter I see," and have students tell you things to write/show.
- Complete "In the Winter I See" Hat.

Each Day please see our selection of winter songs, books, and videos!

T Tuesday

WHAT YOU WEAR AND DO IN THE WINTER

- Read a nonfiction winter book.
- Complete "Things We Do and Wear in Winter" PowerPoint.
- Complete both parts as a class.
- Complete "Do I Do This in Winter and Do I Wear This in Winter" Worksheet.

W Wednesday

TREES IN THE WINTER

- Read a nonfiction winter book.
- Complete "Trees through the Seasons" PowerPoint.
- Complete winter tree craft.

Th Thursday

ANIMALS IN THE WINTER

- Read a nonfiction winter book.
- Complete "Animals in Winter" PowerPoint.
- Complete "Animals in the Winter" Worksheet.

F Friday

WINTER REVIEW CRAFT

- As a class, discuss all that you have learned about winter throughout the week.
- Complete Winter Flip Book Craft.

lesson plans



science: **WINTER**

Dear Families,

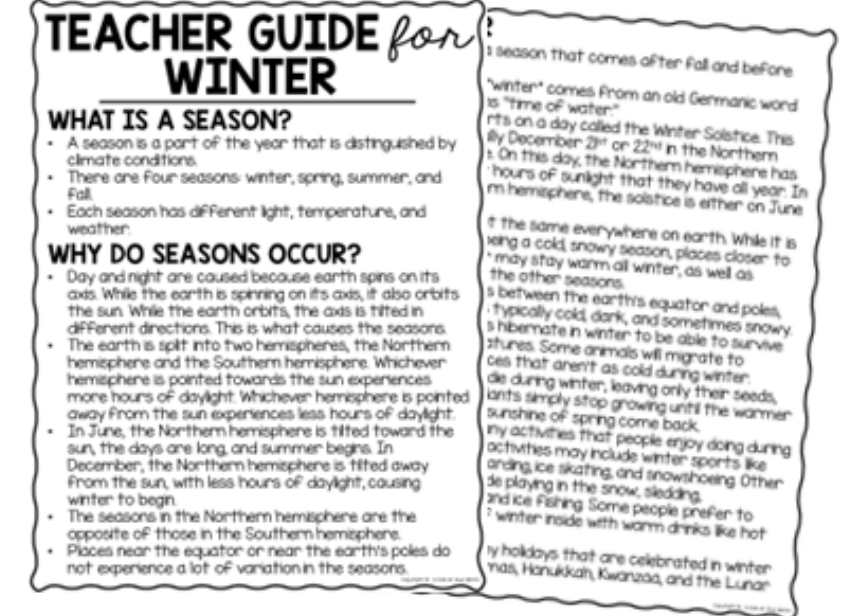
We are learning all about the season of winter in our classroom this week. We are studying what winter is like and what we do, see, and wear in the winter, using real-life connections.

At-Home Activity:

To learn about the season of winter at home, discuss what winter is like where we live. Look outside the window and make a list of things you see during the winter. Make a drawing or list of things that you personally like to do in winter. Type in this link <https://masspbslearningmedia.org/collection/changing-seasons/t/winter-season/the-trees> to find kid-friendly videos about winter.

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at-home letter



TEACHER GUIDE for WINTER

WHAT IS A SEASON?

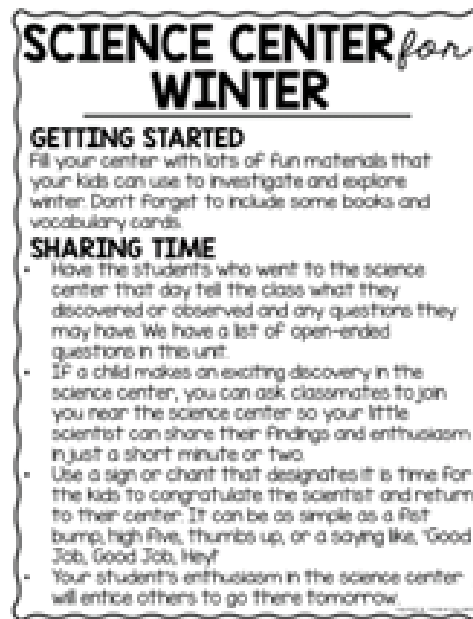
- A season is a part of the year that is distinguished by climate conditions.
- There are four seasons: winter, spring, summer, and fall.
- Each season has different light, temperature, and weather.

WHY DO SEASONS OCCUR?

- Day and night are caused because earth spins on its axis. While the earth is spinning on its axis, it also orbits the sun. While the earth orbits, the axis is tilted in different directions. This is what causes the seasons.
- The earth is split into two hemispheres, the Northern hemisphere and the Southern hemisphere. Whichever hemisphere is pointed towards the sun experiences more hours of daylight. Whichever hemisphere is pointed away from the sun experiences less hours of daylight.
- In June, the Northern hemisphere is tilted toward the sun, the days are long, and summer begins. In December, the Northern hemisphere is tilted away from the sun, with less hours of daylight, causing winter to begin.
- The seasons in the Northern hemisphere are the opposite of those in the Southern hemisphere.
- Places near the equator or near the earth's poles do not experience a lot of variation in the seasons.

Winter comes from an old Germanic word "time of water." It's on a day called the Winter Solstice. This is December 21st or 22nd in the Northern Hemisphere. On this day, the Northern Hemisphere has the least hours of sunlight that they have all year. In the Southern Hemisphere, the solstice is either on June 21st or 22nd. It's the same everywhere on earth. While it is winter in the Northern Hemisphere, it is summer in the Southern Hemisphere. Places closer to the equator experience less variation in the seasons. Some animals will migrate to warmer places during winter, leaving only their seeds to grow in the spring. Other animals will hibernate in winter to be able to survive the cold. Some people enjoy winter sports like skiing, snowboarding, and snowshoeing. Other people enjoy winter activities like ice skating, sledding, and ice fishing. Some people prefer to stay indoors with warm drinks like hot chocolate and cocoa during the winter holidays that are celebrated in winter, like Hanukkah, Kwanzaa, and the Lunar New Year.

teacher guide



SCIENCE CENTER for WINTER

GETTING STARTED

Fill your center with lots of fun materials that your kids can use to investigate and explore winter. Don't forget to include some books and vocabulary cards.

SHARING TIME

- Have the students who went to the science center that day tell the class what they discovered or observed and any questions they may have. We have a list of open-ended questions in this unit.
- If a child makes an exciting discovery in the science center, you can ask classmates to join you near the science center so your little scientist can share their findings and enthusiasm in just a short minute or two.
- Use a sign or chart that designates it is time for the kids to congratulate the scientist and return to their center. It can be as simple as a fist bump, high five, thumbs up, or a saying like, "Good Job, Good Job, Hey!"
- Your student's enthusiasm in the science center will entice others to go there tomorrow.

science center



QUESTIONS TO ASK for WINTER

- What is the weather like in winter you live?
- What months are part of winter you live?
- Why do you think we have seasons?
- What do you like about winter?
- What do you dislike about winter?
- What do you wear during the winter?
- What holidays do you celebrate in winter?
- What types of things do you do in winter?
- What does outside your neighborhood look like in winter? Can you draw a picture of your findings?
- What do trees look like in winter? Can you draw a picture of your findings?
- What do trees look like in winter? Can you draw a picture of your findings?

SCIENCE talk

How would you know _____?

Why do you think that _____?

What else might have caused _____?

How can you explain your findings? Recall in your own words.

How was it different than _____?

How will you know if _____?

Do you think you could _____?

How did you decide _____?

Can you tell me about that? _____?

How does that work? _____?

Can you draw me a picture of your findings? _____?

What will happen if? _____?

What do you think is most important? _____?

What happened when _____?

What would you change if? _____?

How is this similar to something else you know? _____?

Can you think of another way _____?

Create a new solution _____?

How would you handle this problem/challenge/question? _____?

science questions



WINTER VIDEOS

To help with the planning of your Winter Unit, we have curated a list of our favorite winter VIDEOS!

WINTER BOOKS

To help with the planning of your Winter Unit, we have curated a list of our favorite winter BOOKS.

WINTER SONGS

To help with the planning of your Winter Unit, we have curated a list of our favorite winter SONGS!

Click anywhere on the page to be taken to our Amazon Favorites.

To play each video, first click the "play" button and then click the bottom right-hand corner for the video to open in a tab.

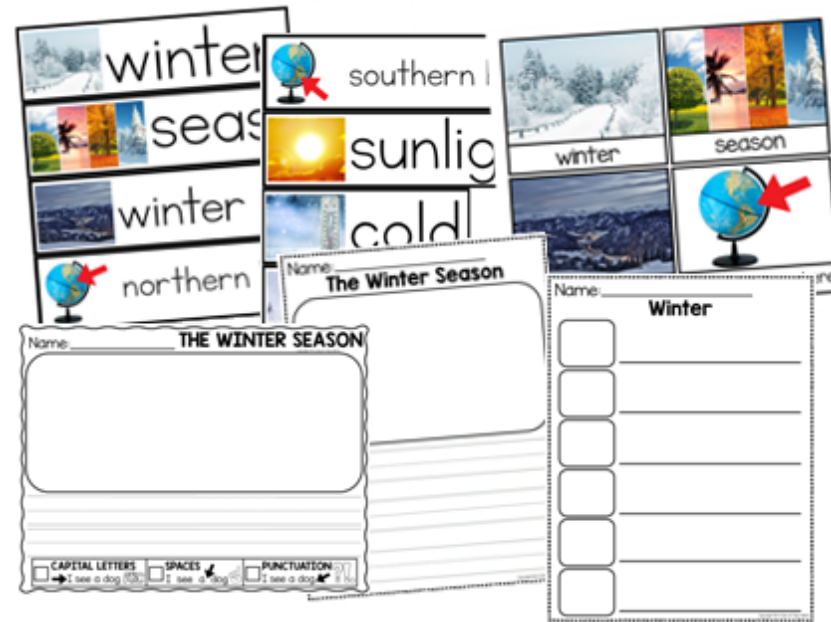
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resource lists

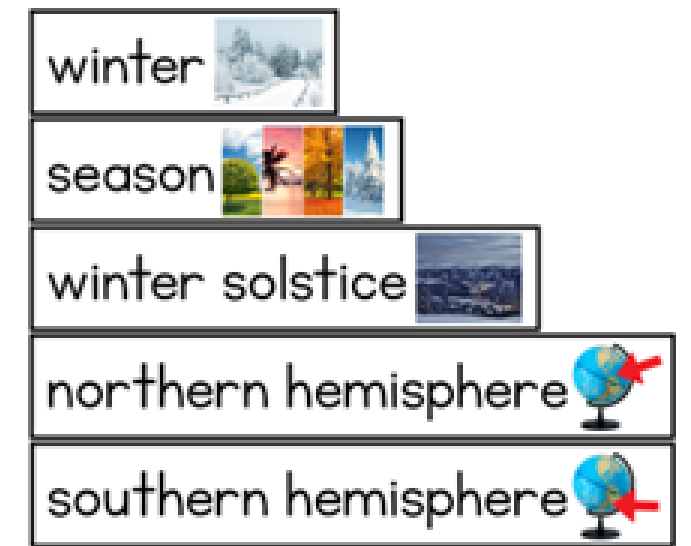
Take a Closer Look:



definition posters



writing center

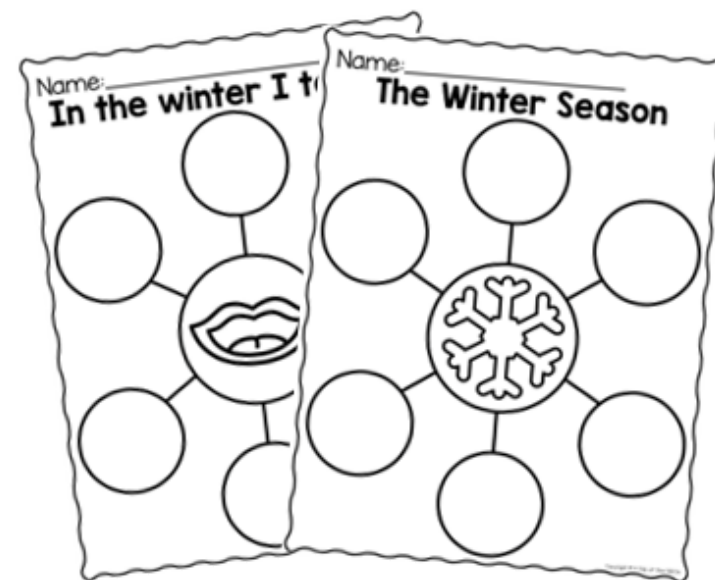


word wall



YES NO

weekly question

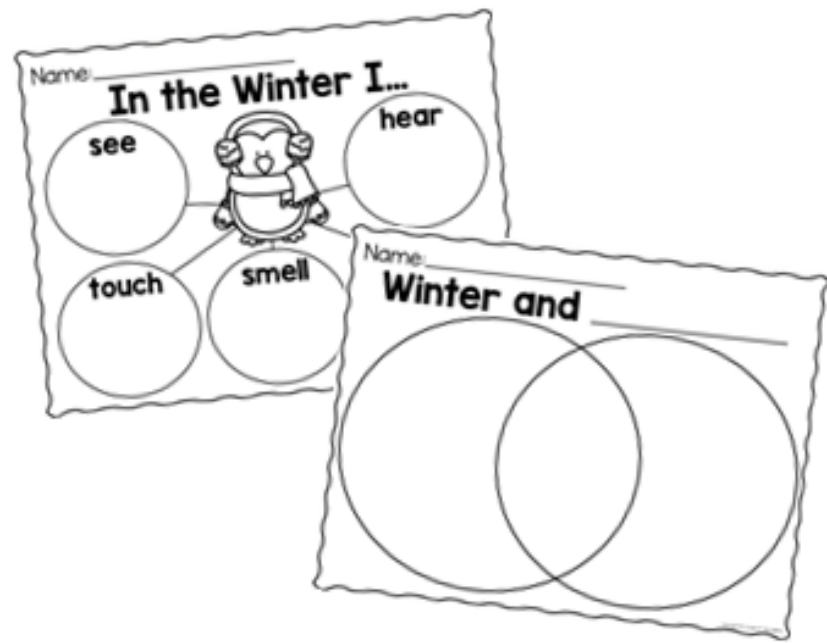


circle maps



bingo game

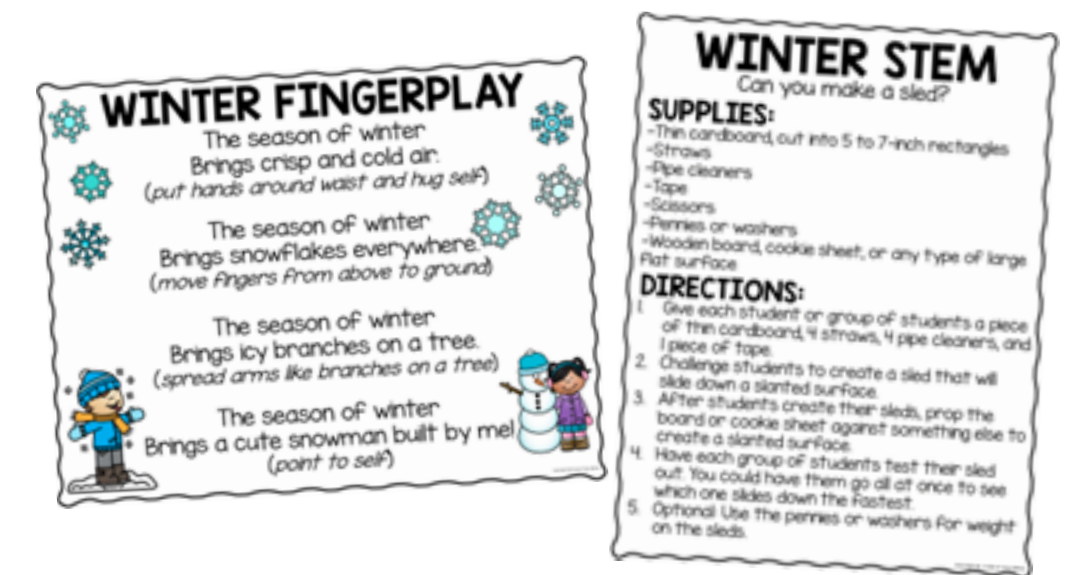
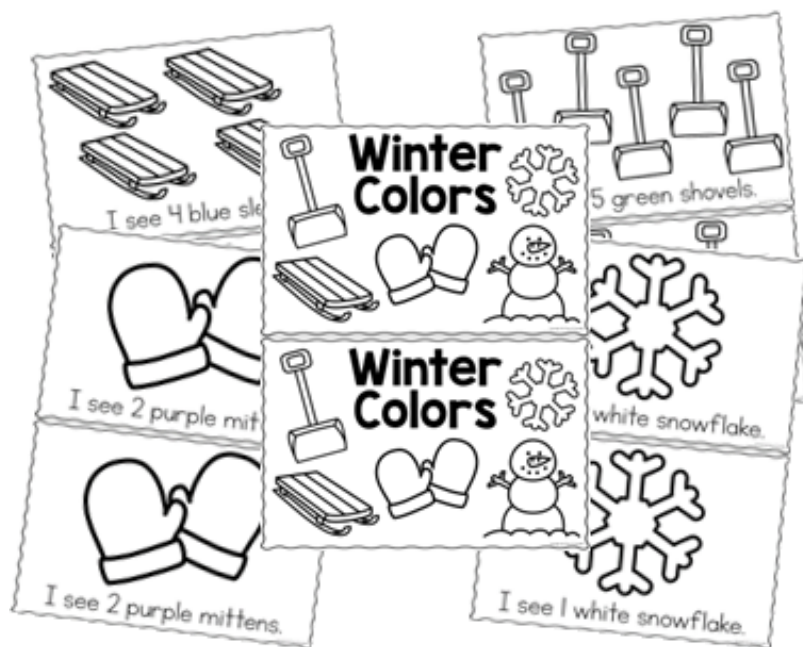
Take a Closer Look:



graphic organizers

write or draw worksheets

sort & voting



colors reader

see in winter reader

and so much more!

Why Teachers LOVE it:



OPTIONS

- ✓ Variations for differentiating
- ✓ Printables in color and B&W



EASY TO USE

- ✓ Teacher Guide
- ✓ Lesson Plans
- ✓ Cross-curricular activities



ENGAGING

- ✓ Real Pictures
- ✓ Fun Crafts
- ✓ Hands-on Activities



What Teachers Are Saying



“We all absolutely loved this. My students had so much fun! I highly recommend everything from this shop. She is amazing!”



“My students love these units. This unit explained winter weather and was age appropriate.”



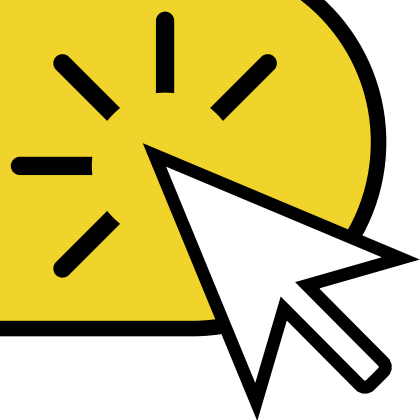
“Perfect for my kindergarten students to use! They loved it!!”



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ENDLESS SCIENCE mega bundle



meet the team

I'm Jennifer... I am the founder and creator of A Dab of Glue Will Do and Dollar Teachers Club. I taught Kindergarten and 1st grade. I have a stash of chocolate in my desk and a Starbucks tea in my hand to keep me going. I love reading and watching my kiddos play soccer and do taekwondo.

jennifer



Here at A Dab of Glue Will Do, our team makes the lives of busy teachers a little easier by creating meaningful classroom resources to engage, encourage, and meet the needs of their little learners.

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