

WHALES

A SCIENCE UNIT

Make learning about Whales fun and engaging!

WHALES AND SHARKS
How are they similar and different?

Life Cycle of a Whale
CALF
ADULT
JUVENILE

Parts of a Whale
blowhole, dorsal fin, fluke, mouth, eye, flipper

Parts of a Whale
Name: _____
Cut and glue the parts of the whale in the correct space.

WHALE FACTS

Whales and Sharks
Name: _____
Whales can _____
Sharks can _____

Whale Life Cycle
Name: _____
Cut and glue the pictures in the correct order.

Whales
juvenile

I see an orca whale.


scroll
to take a
peek
inside

Here is what is included:


- ✔ Lesson plans for a week
 - ✔ PowerPoints and printable posters
 - ✔ Teacher resources to make instruction easier
 - ✔ Life cycle posters and worksheet
 - ✔ Sensory bins and STEM activities
 - ✔ Bonus animal compare activities
 - ✔ Emergent readers
- ...and SO much more!

Take a Closer Look:

WHALE FACTS



FACT ONE:
Whales are large animals that live in the ocean.



powerpoint

Whales



Whales are big
Whales can swim
Whales are big
Whales can swim

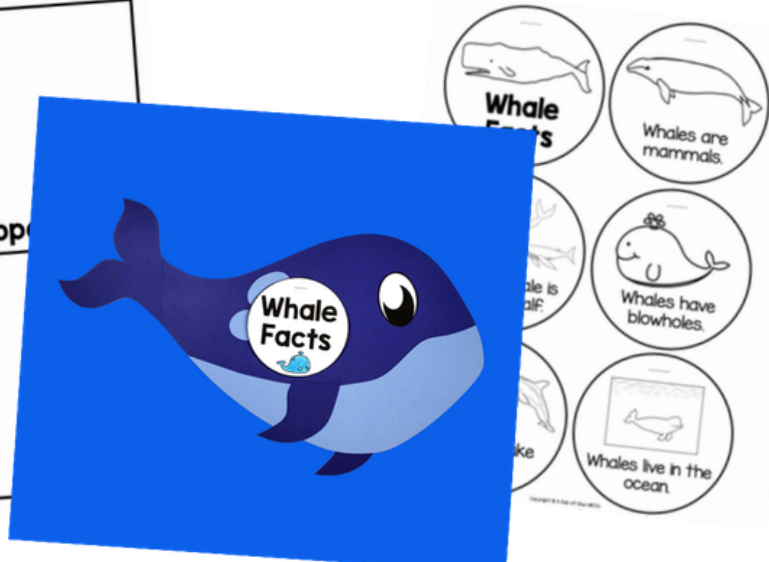
facts emergent reader

Animal Research

By: _____

Habitat _____

App _____

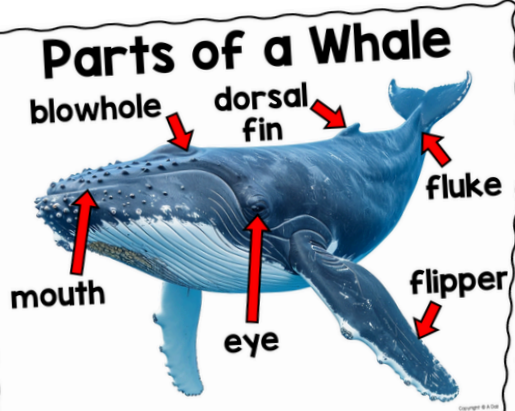


Whale Facts

- Whales are mammals.
- Whales have blowholes.
- Whales live in the ocean.

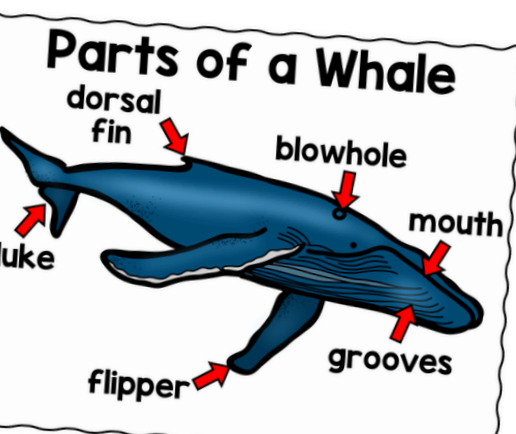
research craft

Parts of a Whale



blowhole, dorsal fin, fluke, mouth, eye, flipper

Parts of a Whale



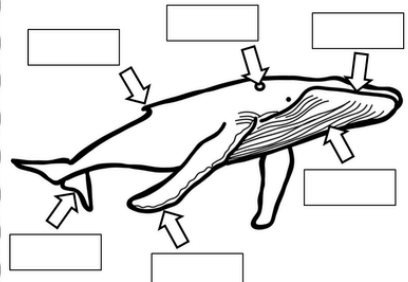
dorsal fin, blowhole, mouth, fluke, flipper, grooves

parts of a whale

Name: _____

Parts of a Whale

Cut and glue the parts of the whale in the correct space.




grooves	blowhole	Fluke
dorsal Fin	Flipper	mouth


parts worksheets

Life Cycle of a Whale


CALF
A baby whale, or calf, can be up to half its mother's length at birth. It drinks the mother's milk for up to a year.



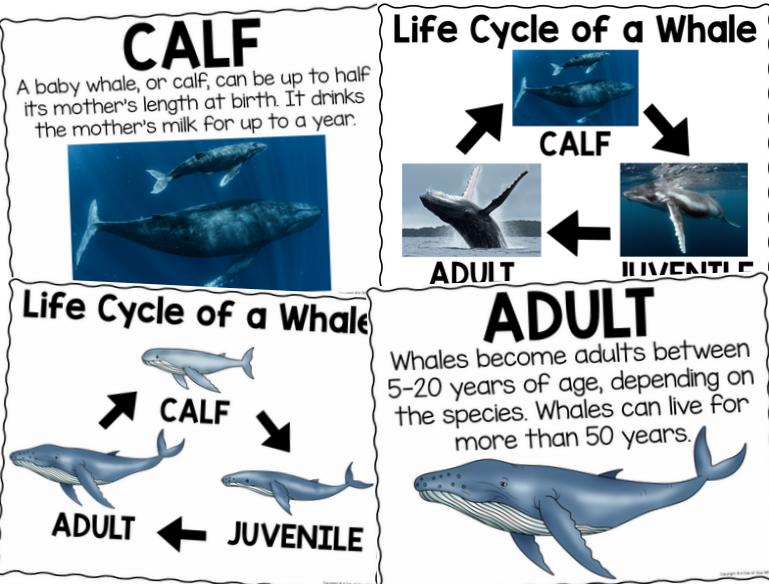
ADULT
Whales become adults between 5-20 years of age, depending on the species. Whales can live for more than 50 years.



JUVENILE



Life Cycle of a Whale



life cycle

Take a Closer Look:

Name: _____

Whale Life Cycle

Cut and glue the pictures in the correct order.

adult

calf

juvenile

Name: _____

glue Fact here

glue Fact here

glue Fact here

glue Fiction here

glue Fiction here

glue Fiction here

Fact **Fact** **Fact** **Fact**

Fiction **Fiction** **Fiction** **Fiction**

1 Whales can swim. 2 Whales have flippers and tails.

3 Whales lay eggs. 4 Whales have blowholes.

5 Whales can breathe underwater. 6 Whales have claws.

Read each statement and decide if it is true or false. Cut and glue the true statements under a Fact tab. Cut and glue the false statements under a Fiction tab.

WHALES AND SHARKS

How are they similar and different?

Whales and sharks both live in the ocean.

life cycle worksheet

fact or fiction

compare powerpoint

Name: _____

Whales and Sharks

Cut and glue the strips in the correct box.

Whales have	
Sharks have	
Both whales and sharks have	

lungs.

torpedo-shaped bodies.

gills.

Name: _____

Whales and Sharks

Whales can _____

Sharks can _____

Whales and sharks can _____

Am I a mammal?

yes no

whale

newt

NOT A MAMMAL

zebra

monkey

stingray

turtle

Name: _____

Am I a Mammal?

Cut and paste the pictures into the correct group.

YES	NO

monkey

frog

camel

shark

duck

turtle

whale

snake

cat

cow

Name: _____

WHALES

can

have

are

can

have

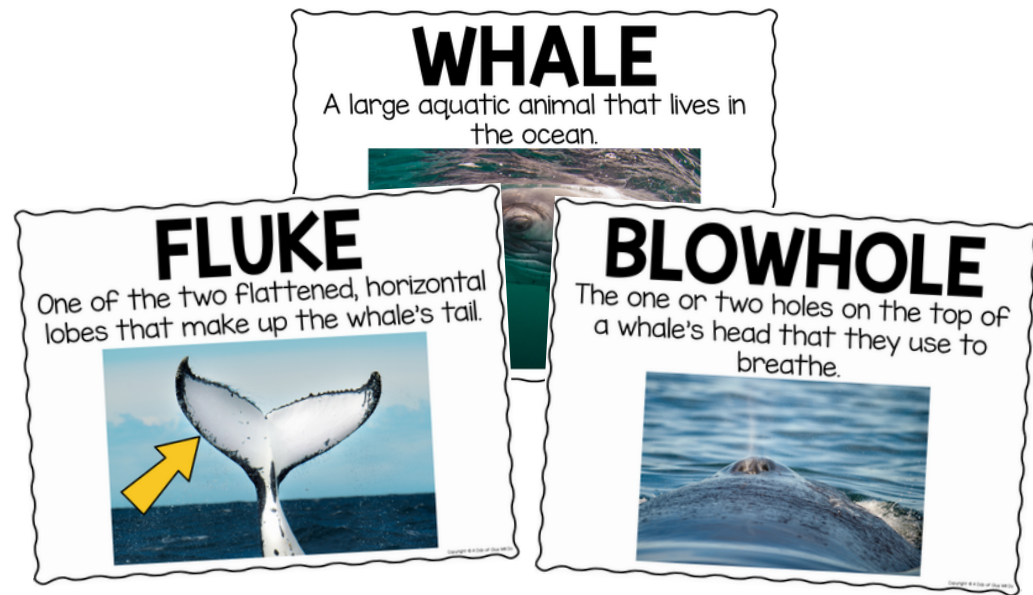
are

compare worksheets

mammal or not sort

can-have-are

Take a Closer Look:



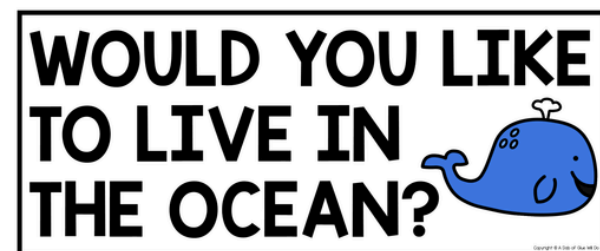
definition posters



writing center

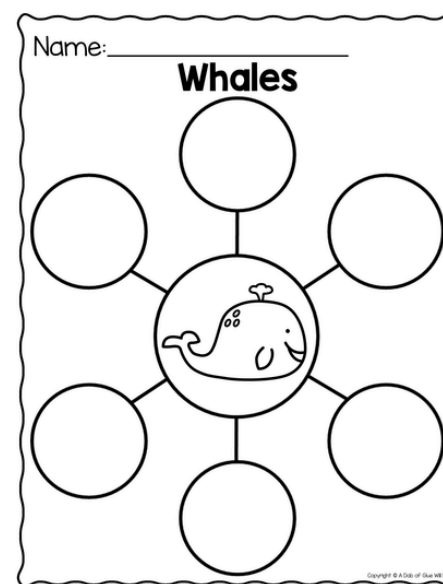


word wall

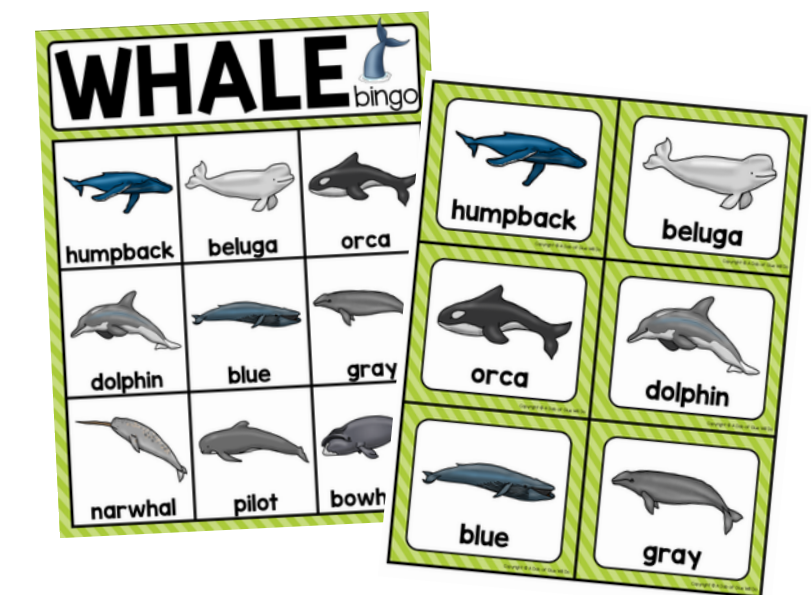


YES NO

weekly question



circle maps



bingo game

Take a Closer Look:

WHALES science

MATERIALS needed

- Whale Books (see list)
- Copy Paper
- Scissors
- Glue
- Construction Paper
- Coloring Tools
- Stapler

M Monday

WHALE INTRODUCTION

- Read a nonfiction whale book.
- Introduce whales by completing the Whale Facts PowerPoint.
- Answer the Question of the Week.
- Read and complete the Whale Emergent Reader.
- Complete Can-Have-Are activity.

Each day please see our selection of whale songs, books, and videos!

T Tuesday

PARTS OF A WHALE

- Read a nonfiction whale book.
- Using the Parts of a Whale Poster, introduce the different parts that make up a whale.
- Complete Parts of a Whale Worksheet.

W Wednesday

WHALE LIFE CYCLE

- Read a nonfiction whale book.
- Introduce the Whale Life Cycle Poster.
- Complete the Whale Life Cycle Worksheet and/or Hat.

Th Thursday

WHALE FACT OR FICTION

- Review the Whale Facts PowerPoint.
- Complete the Whale Fact or Fiction activity as a whole group or individually.
- Optional: Start Fact portion of Friday's research craft.

F Friday

WHALE FACT OR RESEARCH CRAFT

- Read a nonfiction whale book.
- Students will complete the Whale Craft and Fact Book or Research Book.

lesson plans

science: **WHALES**

Dear Families,

We are learning all about whales in the classroom this week. We will be learning Fun Facts about whales, including what they eat, what they can do, and where they live. Ask your child to share facts about whales with you this week!

At-Home Activity:

Keep the learning about whales going at home too! Using a bowl or cup of water and a straw, children can have fun using their own "blowhole" by blowing bubbles through the straw. This can also be done in the bathtub or pool. Talk about how big whales are, and have children identify objects in and around your home that are bigger and smaller than a whale.

at-home letter

TEACHER GUIDE for WHALES

WHALES

- Whales are large, aquatic mammals that live in oceans and seas.
- Scientists classify whales into two groups: baleen whales and toothed whales.
- There are 6 baleen whale species and 77 species of toothed whales.
- Baleen whales are toothless and have baleen in their mouths. Baleen is made of keratin, a protein that forms structures such as fingernails, hooves, and hair. Baleen whales use the baleen in their mouths to filter small organisms like plankton from the water.
- Toothed whales have cone-like teeth that are used for grasping, not chewing. They may also use their teeth to shake or grab whale opponents.

WHERE DO WHALES LIVE?

- Whales live in all the open oceans of the world. Different species prefer different water depths. For example, humpback whales live along the coasts.
- Some species of whales migrate during colder months. Some types travel thousands of miles! Other whale species stay in the same habitat all year round.

DID YOU KNOW?

Dolphins and porpoises are also referred to as "toothed whales" by scientists.

TOOTHED WHALES

- Toothed whales have sharp teeth and eat mainly fish and squid. They will, however, feed on whatever prey is most available, including small sharks.
- There are ten families, including dolphins, of toothed whales.
- The ~70 species of toothed whales include the sperm whale, the beluga whale, the killer whale, the narwhal, and many others.

BALEEN WHALES

- Baleen whales do not have teeth. They have blade-shaped plates hanging from the roof of their mouth called baleen. The baleen have bristles that trap food as the whale swims.
- A baleen whale eats by swimming with its mouth open and gulping water. The baleen filters out the water and other tiny crustaceans.
- There are four families of baleen whales: rorqual, right, gray, and pygmy right.
- There are ~10 species of baleen whales including the blue whale, the gray whale, the fin whale, the humpback whale, the sei whale, and right whales.

LIFE CYCLE OF A WHALE

- Female whales typically become pregnant between fall and spring.
- The gestational period is around a year for most species. Some types of toothed whales have a gestation period of up to 18 months.

teacher guide

SCIENCE CENTER for WHALES

GETTING STARTED

Fill your center with lots of fun materials that your kids can use to investigate and explore whales. Suggested materials include life cycle and parts of a whale posters, plastic whales and fish, water, etc. Also make sure to include some nonfiction whale 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 scientists can share their findings and enthusiasm in just a short minute or two.
- Use a sign or chant 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 WHALES

- Can you draw a picture of a whale and then label its parts?
- How does a whale survive in the ocean?
- What makes whales different than other ocean animals?
- A whale is a mammal, what does that mean?
- What do you think it feels like to swim in the water all the time?
- Why does a whale have to come to the water's surface?
- Why do whales have blowholes?
- What does being big help a whale do? What would be easier for a whale if it was small?
- Why do you think whales make noise?
- What is a baby whale called?

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

WHALE VIDEOS

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

WHALE BOOKS

To help with the planning of your Whale Unit, we have curated a list of our favorite whale BOOKS!

Click a picture to be taken to the book on Amazon.

WHALE SONGS

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

WHALES FOR KIDS

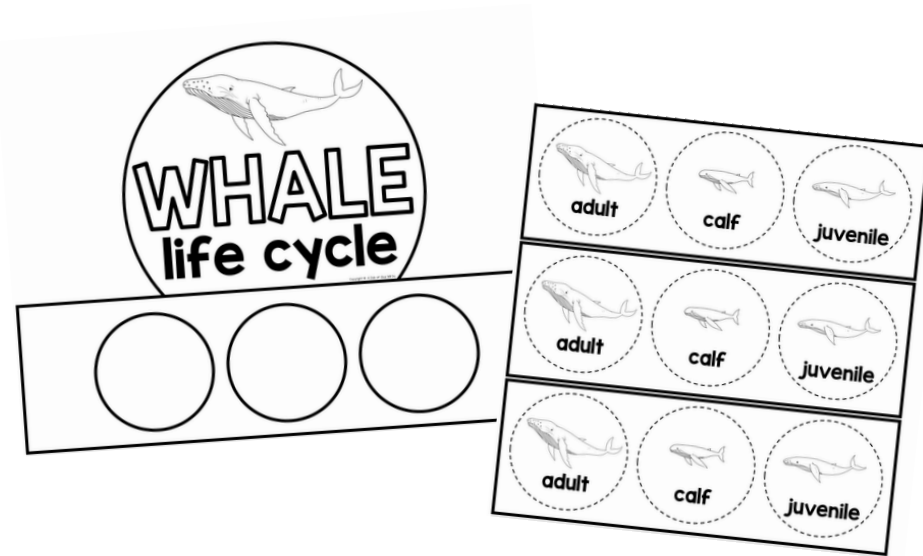
- The Blue Whale Nat Geo Kids
- Blue Whale SciShow Kids
- Whales For Kids Learn Bright
- Wild Bite BBC Earth!

WHALE SONGS

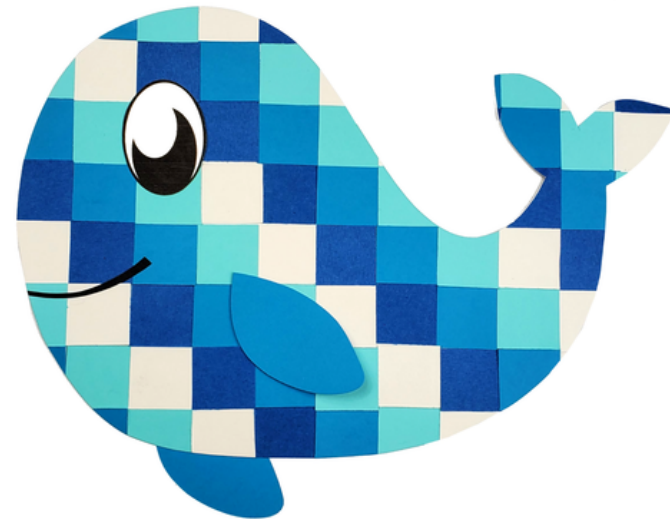
- Song for Kids Junyfony
- Whale Song Tidi Kids
- Blue Whale rnkfong
- Song of the Whales Pinkfong

resource lists

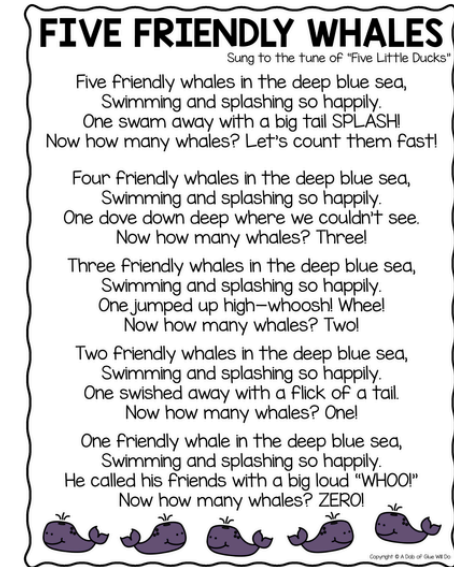
Take a Closer Look:



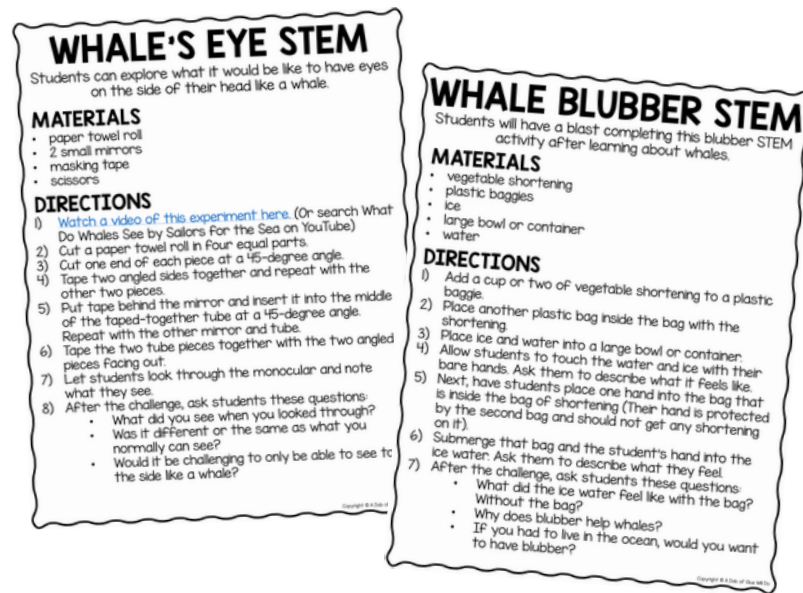
life cycle hat



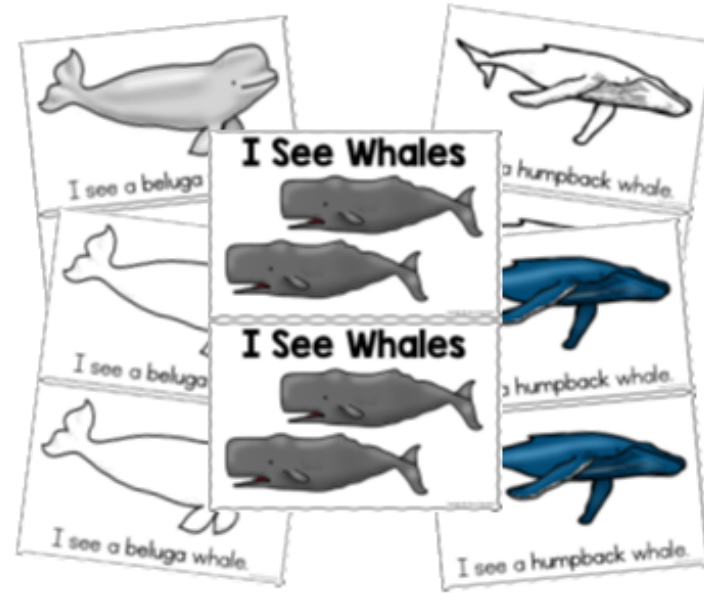
whale craft



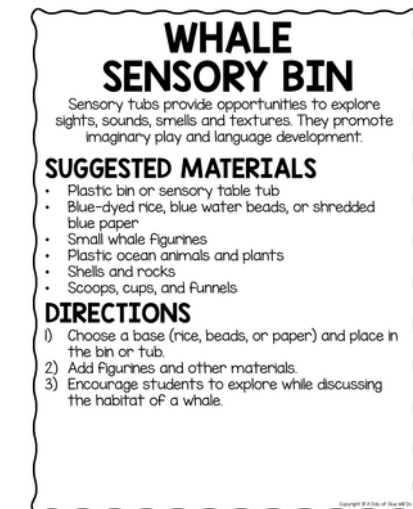
fingerplay



STEM activities



emergent reader



and so much more!

Why Teachers LOVE it:



EASY TO USE

- ✓ Teacher Guide
- ✓ Printables
- ✓ Science Center and Questions



DIFFERENTIATE

- ✓ Writing page options
- ✓ Activity Options



ENGAGING

- ✓ Real Pictures
- ✓ Experiments
- ✓ Hands-on Activities



What Teachers Are Saying



“One of our favourite themes as there are polar bears in our province!
A great resource to support both learning and teaching! Thank you!”



“This is such a fun unit . The kids loved all of the hands-on experiences.
Everything was easy to follow and set up”



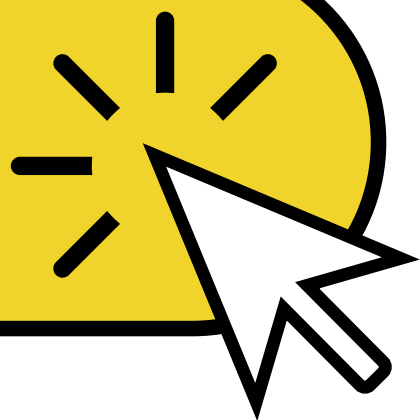
“My students loved using this resource as we learned many facts about
polar bears. Great ideas for crafts too!”



Buy the bundle and SAVE!

- ✔ Save \$320
- ✔ Get over 50 units
- ✔ 12 months of science experiments

CLICK HERE



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.

When you purchase from us, know that you're getting quality products made by teachers, for teachers. Customer service is our top priority, so please reach out to us with any questions or concerns.



Join the Club!

When you join the Dollar Teachers Club, you get access to all of the printable AND digital products we've ever made, all of our freebies, exclusive members-only monthly resources, and lots more, all in ONE place. Save money, stress, and lots of time, and join the Dollar Teachers Club today!

DOLLAR TEACHERS club 



Let's Connect!



Did you know we send out freebies and teacher tips every week? Want to be the first to know when we have a new product, sale, or special event?

Click the button below to join our community.

