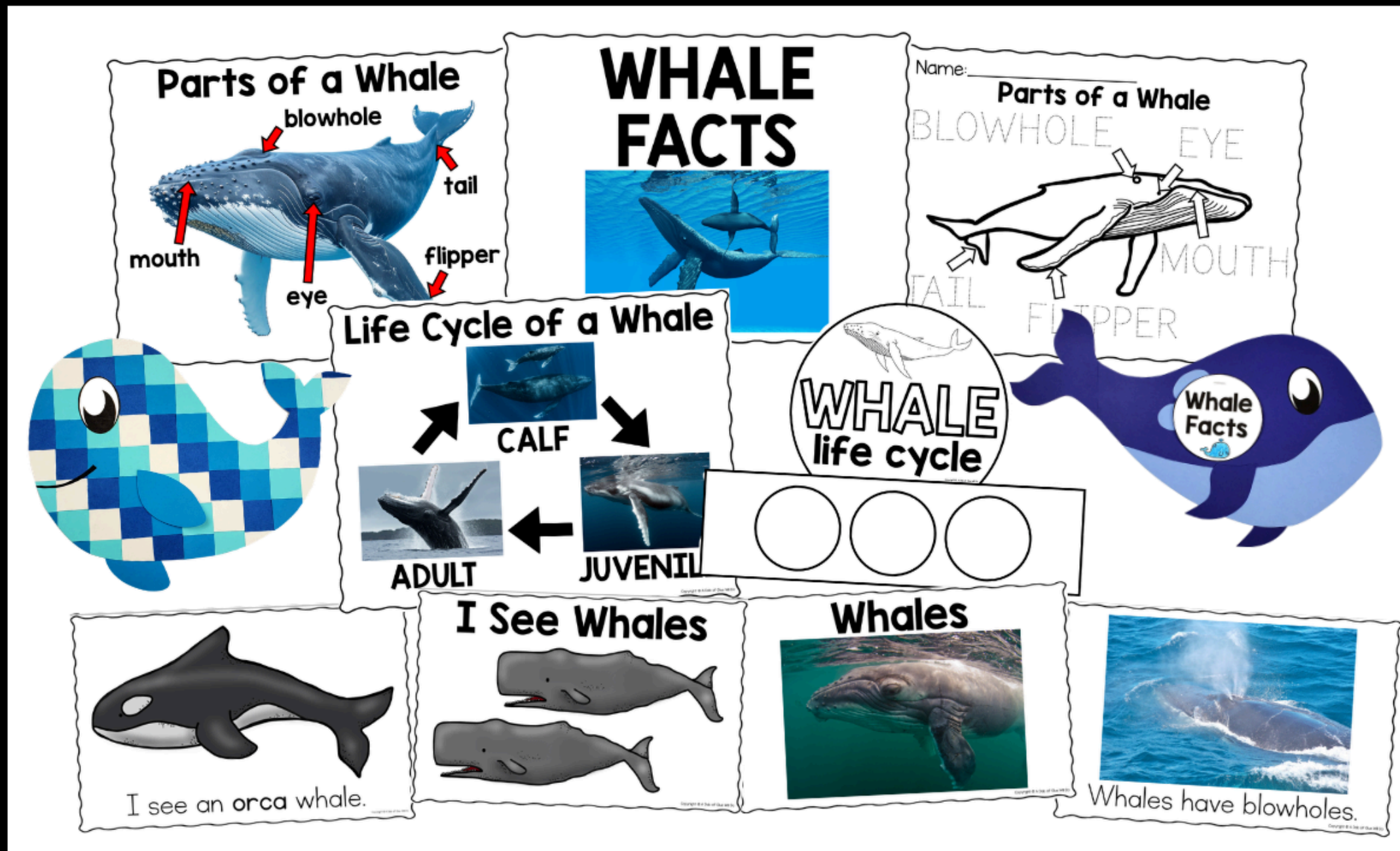


# WHALES

## A SCIENCE UNIT

Make learning about Whales fun and engaging!



*scroll*  
to take a  
peek  
inside


**PRE-K** 185 PAGES

# 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 bin and STEM activities
  - ✔ Adorable crafts and writing center
  - ✔ Emergent readers
- ...and SO much more!

# Take a Closer Look:

**WHALE FACTS**



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

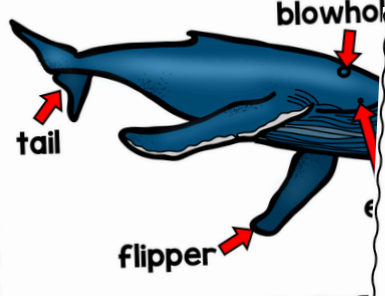


**Whales**

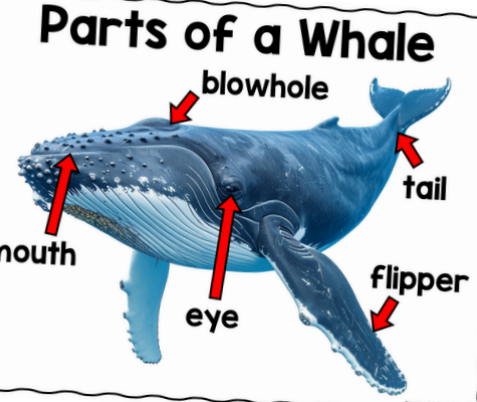


Whales are big  
Whales can swim  
Whales are big  
Whales can swim

**Parts of a Whale**



**Parts of a Whale**



whales powerpoint


facts emergent reader

parts of a whale

Name: \_\_\_\_\_

**Parts of a Whale**

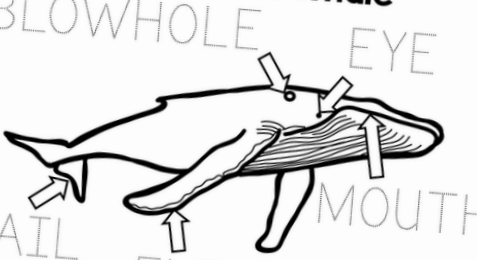
1. Color the blowhole green.
2. Color the fluke purple.
3. Color the flippers blue.
4. Color the dorsal fin yellow.
5. Color the grooves red.



Name: \_\_\_\_\_

**Parts of a Whale**


BLOWHOLE EYE



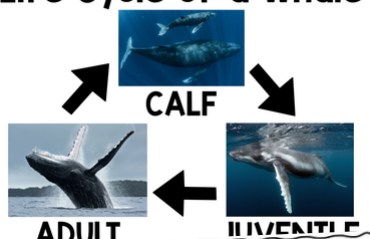
TAIL FLIPPER MOUTH

**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.




**Life Cycle of a Whale**

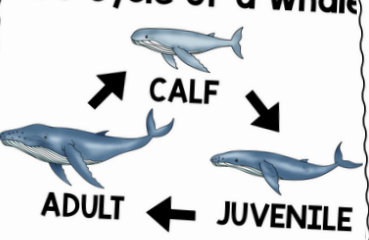


**ADULT**

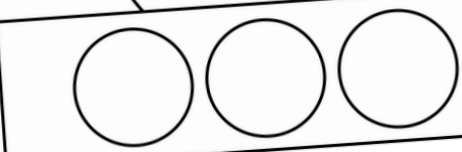
Whales become adults between 5-20 years of age, depending on the species. Whales can live for more than 50 years.


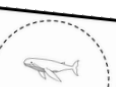









**Life Cycle of a Whale**



**WHALE life cycle**



 adult	 calf	 juvenile
 adult	 calf	 juvenile
 adult	 calf	 juvenile

parts worksheets

life cycle posters

life cycle hat

# Take a Closer Look:

## FIVE FRIENDLY WHALES

Sung to the tune of "Five Little Ducks"

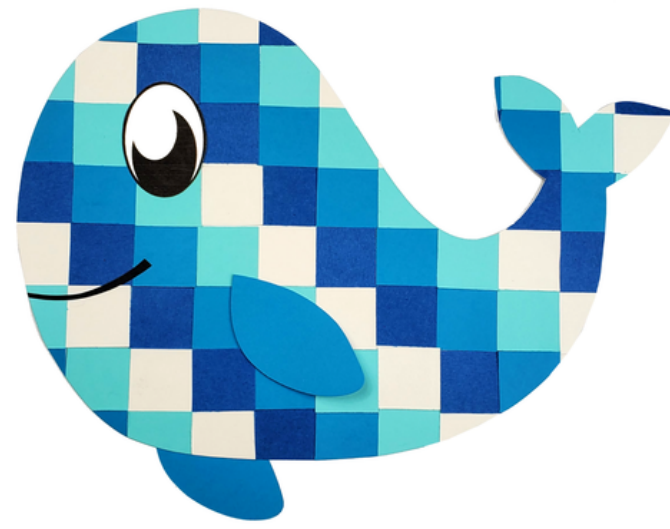
Five friendly whales in the deep blue sea,  
Swimming and splashing so happily,  
One swam away with a big tail SPLASH!  
Now how many whales? Let's count them Fast!

Four friendly whales in the deep blue sea,  
Swimming and splashing so happily,  
One dove down deep where we couldn't see.  
Now how many whales? Three!

Three friendly whales in the deep blue sea,  
Swimming and splashing so happily,  
One jumped up high—whoosh! Wheel!  
Now how many whales? Two!

Two friendly whales in the deep blue sea,  
Swimming and splashing so happily,  
One swished away with a flick of a tail.  
Now how many whales? One!

One friendly whale in the deep blue sea,  
Swimming and splashing so happily,  
He called his friends with a big loud "WHOO!"  
Now how many whales? ZERO!



## WHALE'S EYE STEM

Students can explore what it would be like to have eyes on the side of their head like a whale.

### MATERIALS

- paper towel roll
- 2 small mirrors
- masking tape
- scissors

### DIRECTIONS

- 1) Watch a video of this experiment here. (Or search What Do Whales See by Salors For the Sea on YouTube)
- 2) Cut a paper towel roll in four equal parts.
- 3) Cut one end of each piece at a 45-degree angle.
- 4) Tape two angled sides together and repeat with the other two pieces.
- 5) Put tape behind the mirror and insert it into the middle of the taped-together tube at a 45-degree angle. Repeat with the other mirror and tube.
- 6) Tape the two tube pieces together with the two angled pieces facing out.
- 7) Let students look through the monocular and note what they see.
- 8) After the challenge, ask students these questions:
  - What did you see when you looked through?
  - Was it different or the same as what you normally can see?
  - Would it be challenging to only be able to see to the side like a whale?

## WHALE BLUBBER STEM

Students will have a blast completing this blubber STEM activity after learning about whales.

### MATERIALS

- vegetable shortening
- plastic baggies
- ice
- large bowl or container
- water

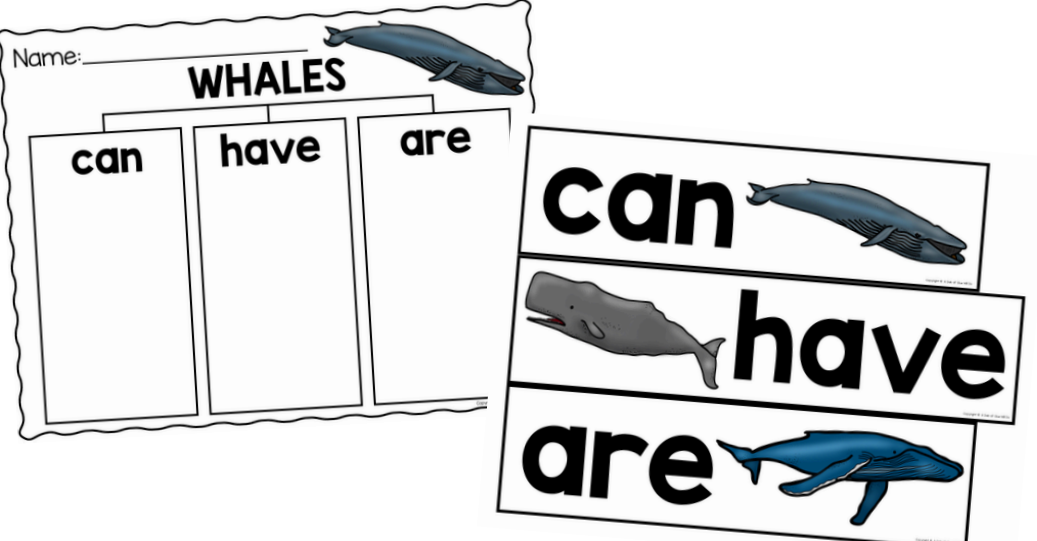
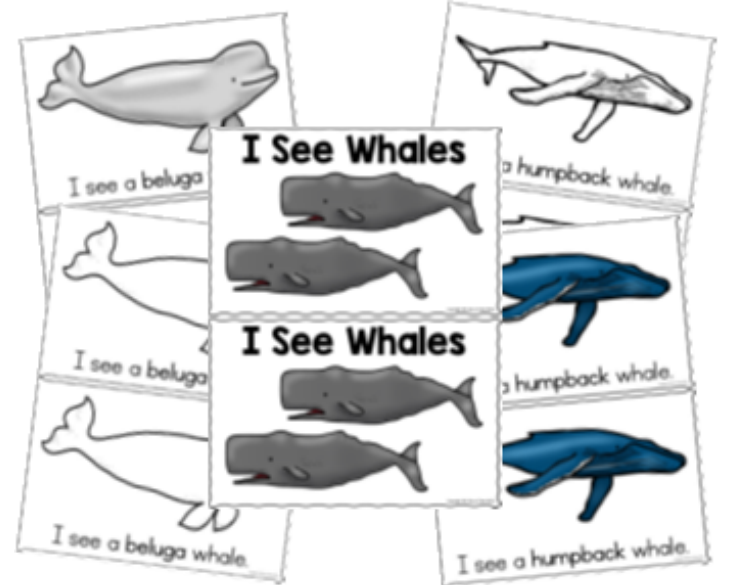
### DIRECTIONS

- 1) Add a cup or two of vegetable shortening to a plastic baggie.
- 2) Place another plastic bag inside the bag with the shortening.
- 3) Place ice and water into a large bowl or container. Allow students to touch the water and ice with their bare hands. Ask them to describe what it feels like.
- 4) Next, have students place one hand into the bag that is inside the bag of shortening (their hand is protected on it).
- 5) Submerge that bag and the student's hand into the ice water. Ask them to describe what they feel. After the challenge, ask students these questions:
  - What did the ice water feel like with the bag? Without the bag?
  - Why does blubber help whales?
  - If you had to live in the ocean, would you want to have blubber?

fingerplay

shark craft

STEM centers

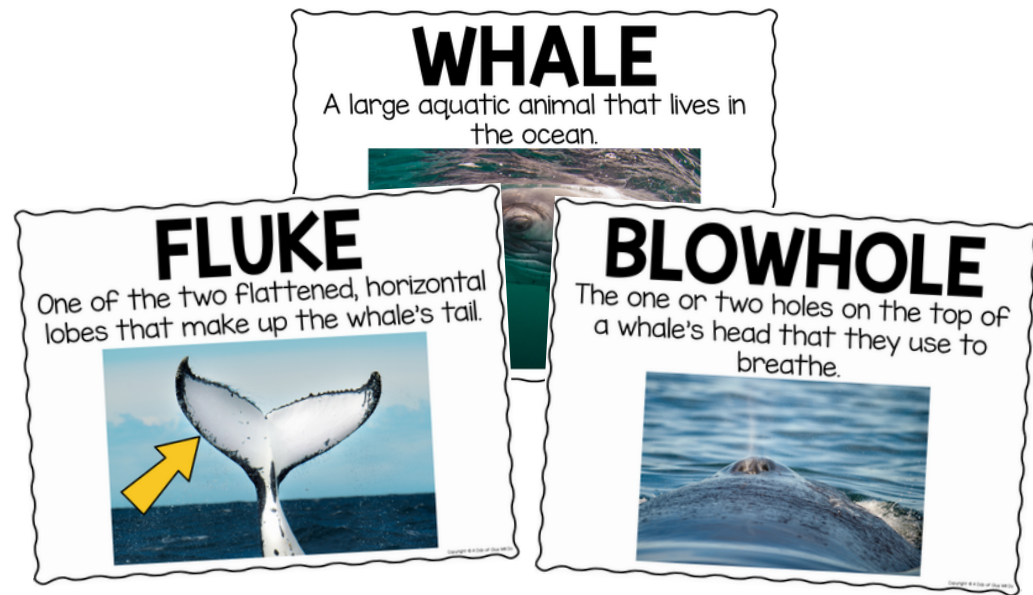


research craft

emergent reader

can-have-are

# Take a Closer Look:



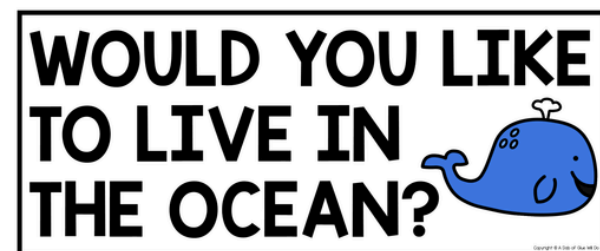
definition posters



writing center

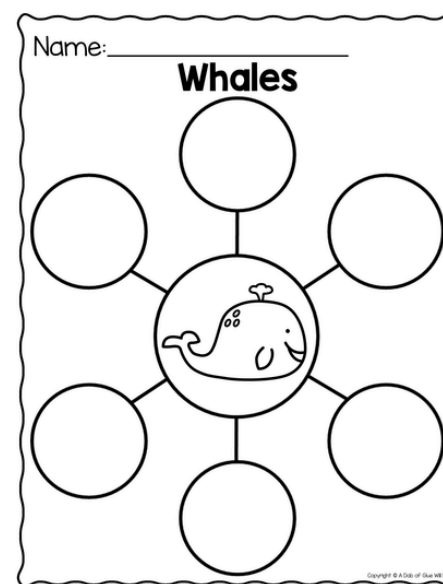


word wall

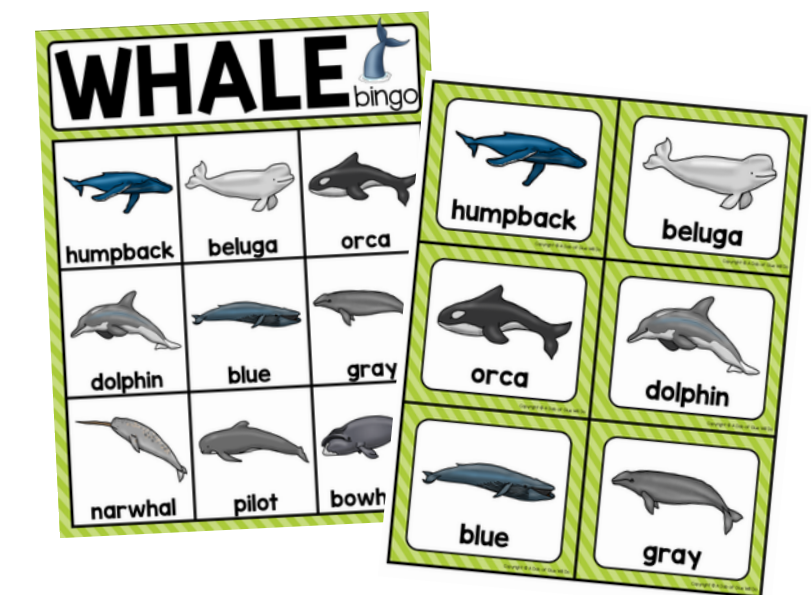


YES NO

weekly question



circle maps



bingo game

# Take a Closer Look:

### WHALES science

**MATERIALS needed**

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

**M Monday** **WHALE INTRODUCTION**  
 -Read a nonfiction whole book  
 -Introduce whales by completing the Whale Facts PowerPoint  
 -Answer Question of the Week  
 -Read and complete the Whale Emergent Reader  
 Each day please see our selection of Whale songs, books, and videos!

**T Tuesday** **PARTS OF A WHALE**  
 -Read a nonfiction whole 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 whole book  
 -Introduce the Whale Life Cycle Poster  
 -Make the Whale Life Cycle Hat

**Th Thursday** **WHALE FINGERPLAY AND CRAFT**  
 -Read a nonfiction whole book  
 -Sing the Fingerplay  
 -Complete the Whale Craft

**F Friday** **WHALE STEM CHALLENGE**  
 -Read a nonfiction whole book  
 -Review the Fingerplay  
 -Complete one of the STEM activities.

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.

### 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 65 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 pilot whales. Dolphins and porpoises would also be in this group.

**BALEEN WHALES**

- Baleen whales do not have teeth. They have blade-shaped plates hanging from the roof of their mouth called baleen. The baleen has 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.

lesson plans

at-home letter

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.

### QUESTIONS TO ASK for WHALES

**SCIENCE talk**

- 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?

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?

### WHALE VIDEOS

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

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

### 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 curated a list of our favorite whale SONGS!

Song For Kids Junyfony  
 Whale Song Tidi Kids  
 Blue Whale rnkfong  
 Song of the Whales Pinkfong

science center

science questions

resource lists

# 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



“This resource was amazing for our mini whale unit for summer school. My students loved the images on the slides.”



“My students thoroughly enjoyed learning all about whales using this fantastic resource.”



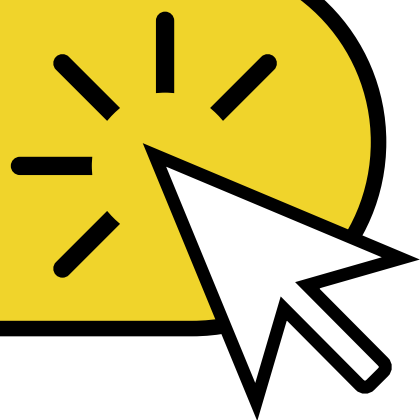
“I do a shark week every year and this was a wonderful resource to it. The students love whales and this was great. Thank you!”



# Buy the bundle and SAVE!

- ✔ Save \$194
- ✔ Get over 40 units
- ✔ Mix of life, physical, and earth science

**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.

