

GETTING STARTED

with PENGUINS

Your students are going to love learning all about penguins through hands-on exploration with real world connections, and you are going to love all that is packed into this Penguin Animal Study! This overview is set up to show you everything that is included and how it can be used best. Pick and choose what works for you and your students.

PENGUIN science	
MATERIALS needed <ul style="list-style-type: none"> Penguin books (see list) Construction paper Card paper Scissors Glue Stapler Coloring Tools 	
M Monday	PENGUIN INTRODUCTION -Read a nonfiction penguin book -Watch the Penguin Facts PowerPoint Each ally please see our sites... books, and videos!
T Tuesday	PARTS OF AN PENGUIN -Read a nonfiction penguin book -Introduce the Penguin Life Cycle poster -Complete Life Cycle worksheet
W Wednesday	PENGUIN LIFE CYCLE -Read a nonfiction penguin book -Introduce the Penguin Life Cycle poster -Complete Life Cycle worksheet
Th Thursday	PENGUIN FACT OR RESEARCH CRAFT -Read a nonfiction penguin book -Complete the Penguin Craft and Fact book or research book
F Friday	

LESSON PLANS

These comprehensive lesson plans are ready for you to integrate penguins into every aspect of your classroom. Our plans are also perfect for supplementing an existing curriculum or pulling just-right engaging activities when you are short on time.

science: PENGUINS

Dear Families,

We are learning all about penguins in the classroom this week. We are learning all about penguins like what they eat, and what they can do.

At-Home Activity:

You can learn all about penguins at home! If you search "penguin live cam" on Google, several zoos all over the world have set up in their penguin enclosures. Watch one of the live cams and see what they notice and if they can tell you what they are doing. Check out non-fiction penguin books from your library or read with your child.

AT-HOME LETTER

Send home these notes and let families know what their children are learning about in science. This letter also includes ideas for families to extend the learning at home.

TEACHER GUIDE for PENGUINS

PENGUINS

There are 18 different species of penguins.

WHERE DO PENGUINS LIVE

All 18 species of penguins live in the Southern Hemisphere. Any penguins living in other parts of the world are typically in zoos, aquariums, or other type of enclosure.

Most penguins live on islands and remote parts of continents that are free from land predators. Some penguins live in Antarctica and others live in the Southern Ocean.

Penguins are adapted for living in the sea and on land. Some species can spend months at a time at sea. Penguins are often found near nutrient-rich, cold-water currents that have a large supply of food available.

PHYSICAL CHARACTERISTICS

They are known for their stocky, short-legged bodies. Most penguins like the blue penguin, are only 1.5 feet tall and weigh about 2 pounds. Other species like the emperor penguin can be up to 4.5 feet tall and weigh between 100 and 150 pounds.

Most penguins have orange and yellow on their heads and necks. Some penguins have black and white. All penguins have wings, but they are not used for flying. They have webbed feet that make them excellent swimmers. They also have a bill that helps them catch their prey. Some penguins have a special tongue that helps them hold onto their food whole.

Some penguin species eat krill, while others eat fish. Emperor and king penguins eat squid. Some male emperor penguins fast for 20 days.

TEACHER GUIDE

Everything you need to know about penguins is ready for you in this guide. When students want to dig deeper, you will be prepared with fun facts to keep their interest and deepen their penguin knowledge.

SCIENCE CENTER for PENGUINS

GETTING STARTED
Fill your center with lots of fun materials that your students can use to investigate and explore owls.

SHARING I AME
Have the students who went to the science center that day tell the class what they discovered or observed and how they felt about it.

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 shout like "Good Job, Good Job, Hey!" Your students' enthusiasm in the science center will entice others to go there tomorrow.

SCIENCE CENTER

Use this guide for tips on how to set up your science center and keep students motivated to enter the science center each day to make new discoveries.

QUESTIONS TO ask for PENGUIN SCIENCE talk

- Can you draw a picture of _____ and label its parts?
- How would you know _____? Why do you think that _____? What else makes _____?
- How was it different than _____? How will you know _____? Do you think you could _____?
- What do their wings try _____? Can you tell me about that? How _____ that work? Can you _____ me a picture of your findings?
- What do their long beaks do? What happened when _____? What would you change if? _____ to something else you _____.
- How do penguins _____? Create a new solution. How would you handle this problem/challenge/question?
- Does a penguin _____ other animal?
- Can you retell the cycle of a penguin _____?

QUESTIONS

Encourage your students' natural curiosities with this collection of penguin-related questions. You may also print off the provided list of open-ended questions that can be used with any science lesson to encourage "science talk" with your class.

PENGUIN BOOKS

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

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

BOOKS LIST

To make planning easy, we have curated a list of our favorite penguin books that will engage your students while they learn new information.

PENGUIN VIDEOS

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

Free School All About Penguins for Kids
Kids Assembly: Penguins for Kids - Interesting Facts
WWF UK: Top Facts About Penguins
BBC Earth: Emperor Penguins
Tobee Kade Meet 3 Peculiar Penguins

VIDEOS LIST

To make planning easy, we have curated a list of our favorite penguin videos. Each picture is linked to the corresponding video.

PENGUIN SONGS

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

Penguin Dance by Jack Hartmann
Penguin Song by The Learning Station
Did You Ever See a Penguin? By the Kiboomers
The Penguin Dance
Did You Ever See a Penguin? By the Kiboomers

SONGS LIST

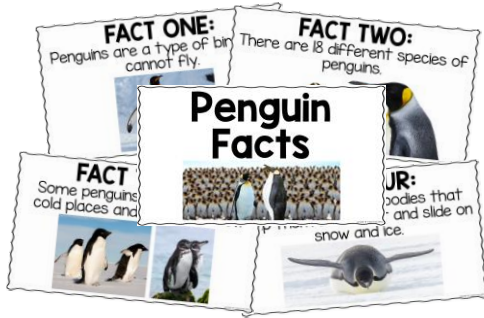
Our song list is linked and ready to use with your students. You can show them the video with the song, or simply play the song in the background during center time, dismissal, clean-up, or any other transition during the day.

LESSON CONTENT

for PENGUINS

PENGUIN FACTS POWERPOINT

This includes a PowerPoint to project on a smartboard and printable posters to use as a big book or display in your science center.



PENGUIN EMERGENT READER

Students can practice one-to-one correspondence with this easy reader. After reading the book in whole group, put copies in the reading center or send home.



WOULD YOU LIKE
TO BE A
BIRD THAT
CAN'T FLY?



YES NO

QUESTION OF THE WEEK

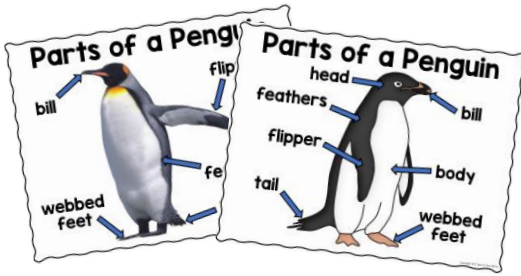
Use this question to engage your students, pique their curiosities, and get everyone excited to learn about penguins.

CAN-HAVE-ARE ACTIVITY

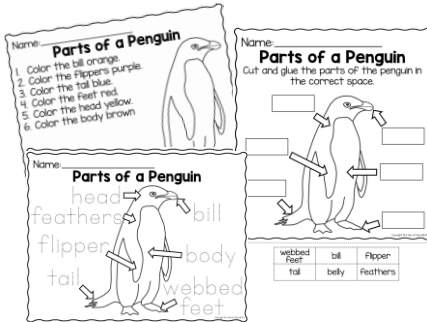
After learning about penguins, complete this Can-Have-Are chart as a whole group and/or independently.

can	Name: _____		
have	PENGUINS		
are	can	have	are

PARTS OF A PENGUIN POSTER

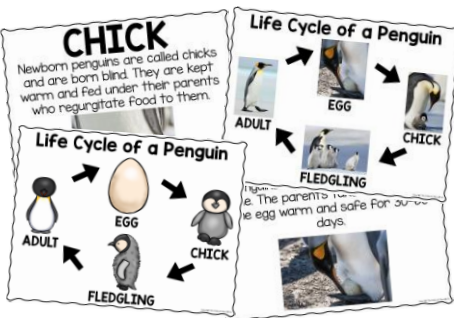


With real-life and clip-art options, use these posters to show your students the different parts of a penguin.



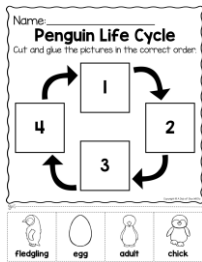
PARTS OF A PENGUIN WORKSHEET

After teaching your students about the parts of a penguin, use these different worksheet options for them to show what they know.



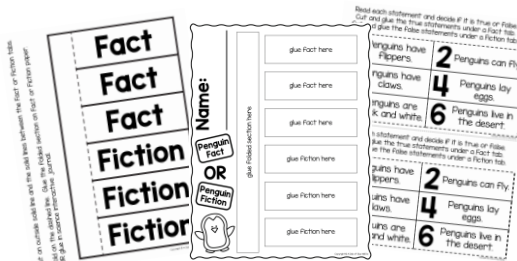
LIFE CYCLE POSTERS

Use these posters to teach your students about the penguin life cycle. Use either or both versions, one with clipart and one with real-life photos.



LIFE CYCLE WORKSHEET

Students can show what they know about the order of the penguin life cycle with this activity.



PENGUIN FACT OR FICTION

After reviewing the Penguin Facts PowerPoint, students can complete this flip book activity, sorting fact from fiction.

PENGUIN FACTS OR ANIMAL RESEARCH CRAFT

Use the craft template and research sheet options to have your students show what they have learned about penguins during the unit with this craft/research project combination.



Animal Research	
By:	Appearance
Habitat	Diet



BONUS MATERIALS

for PENGUINS



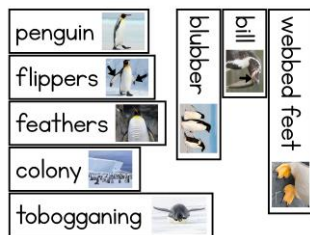
WRITING CENTER

Set up your writing center with word cards and writing papers that meet the needs of your students. No writing lines or list writing paper? There is something for every learner.



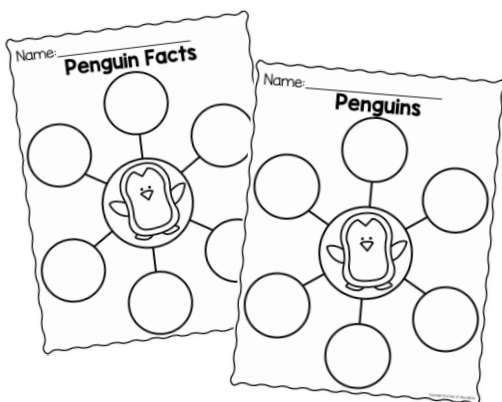
DEFINITION POSTERS

These posters use real-life pictures and simple definitions that are easy for students to understand. Hang them up in your science center, add new ones to your whole group area each day, or project on your smart board.



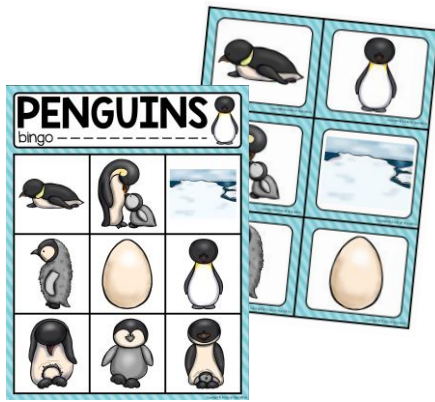
WORD WALL

Add the new vocabulary you are introducing to your students throughout the week to the word wall. Students can refer to these words throughout the year.



CIRCLE MAPS

Use these circle maps when introducing penguins to see what your students know, or after you teach the unit for them to demonstrate their new knowledge. These can be used individually, as a graphic organizer, or as a whole group activity.



PENGUIN BINGO

Add this Penguin Bingo to your lesson plans as a fun way to practice listening skills. Prep as a Fun Friday game or have a volunteer play the game with students at a center. Bingo boards and teacher calling cards are included in color or black & white.

PENGUINS

Penguins slip and penguins slide,
Across the icy ground they glide.
(Slide feet on floor, "slip" across the floor)

Penguins swim and penguins dive,
Catching fish that do arrive.
(Close fingers or hand down like you're catching a fish)

Penguins gather and penguins stand,
Staying warm together on the land.
(Close fingers or hand down like you're catching a fish)

Penguins walk and penguins waddle,
black and white feathers they model.
(Walk around like penguins)

Penguins eat and penguins play,
I can be a penguin today!
(Open to yourself)

FINGERPLAY

Use this fingerplay to transition throughout the unit. Put a copy in the library center for students to practice.

PENGUIN STEM: TOBOGGAN CHALLENGE

SUPPLIES:

- 1. One piece of paper (fold into 4 equal parts)
- 2. Four sheets of cardboard (cut a foot long)
- 3. Rocks and other materials to stack
- 4. Different sized, white, and orange construction paper

DIRECTIONS:

1. Students create their toboggan penguins.
2. "Toboggan" on their desks as if it were an actual toboggan.
3. One student is to stand and hold their penguin. Different team students use construction paper to make an oval track like a toboggan or you could find one.
4. One student is to place a piece of cardboard that has an oval hole cut out of it on the desk.
5. All students that have made a toboggan are to place their toboggan on the hole.
6. Students may use books, blocks, furniture, etc. to make the hole as high as possible.
7. After the toboggan is on the hole, students must explain what didn't work, what they wish they had, and what they would do differently next time.

PENGUIN STEM

Get your students thinking critically with this fun STEM activity.



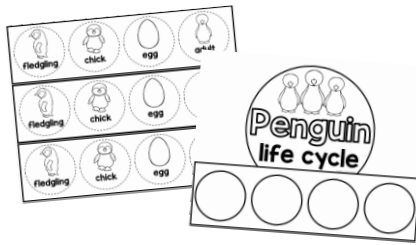
PENGUIN COTTON BALL CRAFT

Make this simple and fun penguin craft to celebrate studying penguins. Students will love taking these cute penguins home!



LITTLE PENGUIN EMERGENT READER

Students can practice one-to-one correspondence while reading this easy reader. After reading the book in whole group, copies can be put in the reading center or sent home for extra practice.



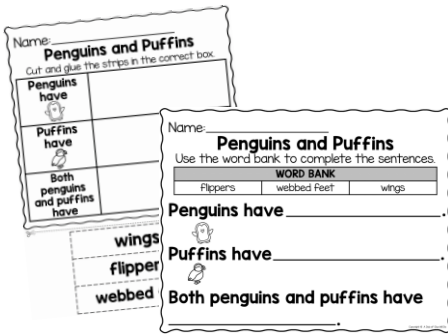
LIFE CYCLE HAT

Students can show what they know about the order of the penguin life cycle with this fun hat.



PENGUINS AND PUFFINS POWERPOINT

Use this bonus PowerPoint and posters to discuss the similarities and differences of penguins and puffins.



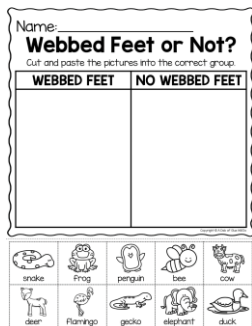
PENGUINS AND PUFFINS WORKSHEETS

After discussing the similarities and differences between penguins and puffins, students can show what they know using these worksheets.



WEBBED FEET SORT

Teach students about which animals have webbed feet and which don't with this sort activity. Do as a whole group or place in a center for students to review on their own.



DO I HAVE WEBBED FEET? WORKSHEET

After completing the whole group sort and discussing animals that do or don't have webbed feet, students can independently complete this sort worksheet to show what they have learned.