

GETTING STARTED


with BATS

Your students are going to love learning all about bats through hands-on exploration with real world connections, and you are going to love all that is packed into this Bats 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.

| BATS science | |
|---|--|
| MATERIALS needed | |
| <ul style="list-style-type: none"> Bat books (see list) Construction paper Black cardstock Staple Scissors Glue Markers Stapler | |
| M Monday | BAT INTRODUCTION Read a nonfiction bat book. -Review the Bat Facts PowerPoint. -Complete Can Have Are activity. |
| T Tuesday | PARTS OF A BAT About a nonfiction bat book. |
| W Wednesday | BAT LIFE CYCLE Read a nonfiction bat book. |
| Th Thursday | BAT FACT OR RESEARCH -Review the Bat Facts PowerPoint. -Complete the Bat Fact or Fiction activity as a whole group or individually. -Optional Start Fact portion of the Friday's research craft. |
| F Friday | BAT FACT OR RESEARCH CRAFT -Read a nonfiction bat book. -Students will complete the Bat Craft and Fact book or research book. |

LESSON PLANS

These comprehensive lesson plans are ready for you to integrate bats 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.

Dear Families, **BATS** 

We are learning All About BATS in the classroom this week. We are studying about bats and where they live, all about bats and how they fly. We are learning how bats are different from other animals, and why most bat species are endangered.

At Home Activity:
To learn about Bats at home - you can practice being a bat by wearing a cape and flying around the house during the day.

daytime things at night, like playing outside, getting dressed for school, and eating breakfast!

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 BATS

WHERE DO BATS LIVE?

- Bats prefer warmer climates but can adapt to live in almost any habitat. They can be in almost all parts of the world and in most parts of the United States.

DID YOU KNOW?

- The largest urban colony of bats lives under the Congress Avenue Bridge in Austin, Texas. There you can find more than 15 million Brazilian Free-tailed bats in summer.

SPECIES OF BATS

- There are more than 40 distinct species of bat living in the United States.

DID YOU KNOW?

- Bats are the only flying mammal.

BATS

are small bats that generally roost in trees, abandoned mines, and buildings in wooded areas. They have small bodies and small eyes, but they still can see.

Microbats hunt insects, frogs, birds, and even other bats. Some species are different from other bats in that they do not have echolocation abilities. They have a special part of their body that allows them to see.

Microbats are much larger in size than macrobats. They live in tropical and subtropical climates and have echolocation abilities. They have a special part of their body that allows them to see.

Macrobat species are different from other bats in that they do not have echolocation abilities. They have a special part of their body that allows them to see.

Macrobat species are different from other bats in that they do not have echolocation abilities. They have a special part of their body that allows them to see.

TEACHER GUIDE

Everything you need to know about bats 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 knowledge.

SCIENCE CENTER for BATS

GETTING STARTED

Your center with lots of fun materials that you use to investigate and explore bats. The could include: cards, vocabulary cards, life cycle posters, etc.

- Have the students fill the case with their observations and any questions they may have. We have a list of open-ended questions in the unit to help you get started.
- Use a sign or chart that displays the questions to the center. It can be as simple as a flat bump, high rise, thumb up or a sign like, "Good Job, Hey! 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 BATS

SCIENCE talk

- A lot of people think about thinking about Halloween, what do you think that is?
 - How would you know _____?
 - Why do you think that _____?
 - What else might have caused _____?
 - How can _____?
- How will you know _____?
 - Do you know if _____?
 - _____?
- Fast their wings that a bat flying?
 - How does that work?
 - Can you show me a picture of your findings?
 - What will happen if? _____?
 - _____?
- Why do you think bats _____?
 - How is this similar to something else you know?
 - Can you think of another way _____?
- Bats are helpful when insects, what other _____?
 - How is this similar to something else you know?
 - Can you think of another way _____?
- Bats learn to fly at _____?
 - How is this similar to something else you know?
 - Can you think of another way _____?

_____?

QUESTIONS

Encourage your students' natural curiosities with this collection of bat-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.

BAT BOOKS

To help with the planning of your Bats Unit, we have curated a list of our favorite bat 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 bat books that will engage your students while they learn new information.

BAT VIDEOS

To assist with the planning of your Bat Unit, we have curated a list of our favorite bat videos.

VIDEOS LIST

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

BAT SONGS

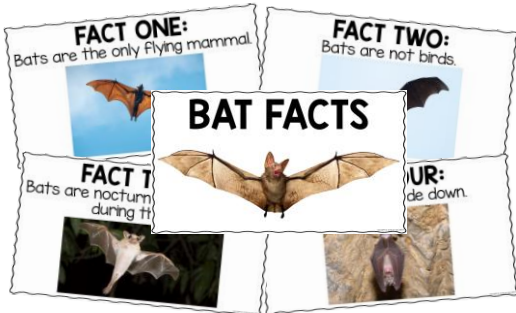
To help with the planning of your Bats Unit, we have curated a list of our favorite bat songs.

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 BATS



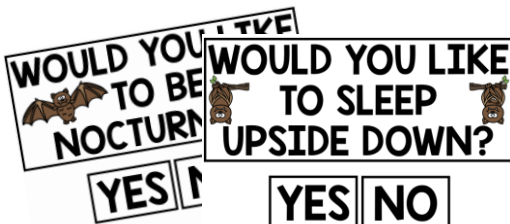
BAT FACTS POWERPOINT

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



BAT 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.



QUESTION OF THE WEEK

Use these questions to engage your students, pique their curiosities, and get everyone excited to learn.

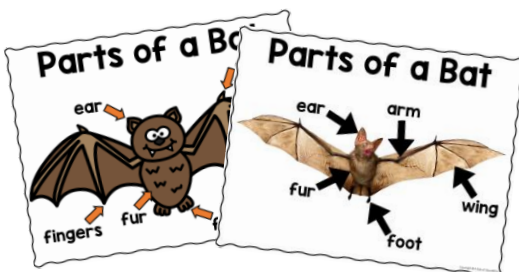


Name: _____

| BATS | | |
|------|------|-----|
| can | have | are |
| | | |

CAN-HAVE-ARE ACTIVITY

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



PARTS OF A BAT POSTER

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

Parts of a Bat

Name: _____

1. Color the wings orange.
2. Color the body gray.
3. Color the head red.
4. Color the ears yellow.
5. Color the feet purple.

Parts of a Bat

Name: _____

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

Foot wing ear
thumb Fur Finger

PARTS OF A BAT WORKSHEET

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

FLYING

Pups fly with their moms by holding onto their mother. They cannot fly until they are 2-3 months old.

Life Cycle Of a Bat

ADULT BAT → PUP → NURSERY → FLYING → ADULT BAT

called a pup. The mother catches her pup with her wings when he or she is born.

LIFE CYCLE POSTERS

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

Name: _____

Bat Life Cycle

Cut and glue the pictures in the correct order.

4 → 1 → 2 → 3 → 4

nursery adult pup flying

LIFE CYCLE WORKSHEET

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

Fact OR Fiction

1. Bats are mammals. **2**

2. Bats sleep upside down. **6**

3. Bats are nocturnal. **4**

4. Bats can fly. **2**

5. Bats can eat fruit. **4**

6. Bats have wings. **6**

glue fact here

glue fiction here

glue fact here

glue fiction here

glue fact here

glue fiction here

glue fact here

glue fiction here

glue fact here

glue fiction here

BAT FACT OR FICTION

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

BAT FACTS OR ANIMAL RESEARCH CRAFT

Use the craft template and bat research sheet options to have your students show what they have learned about bats during the unit with this craft/research project combination. The craft can be done with or without the research/fact component.

Bat Facts

- Bats are mammals.
- Bats are nocturnal.
- Bats can fly.
- Bats can eat fruit.
- Bats have wings.

Animal Research

By: _____

Appearance

Habitat

Diet

Bats

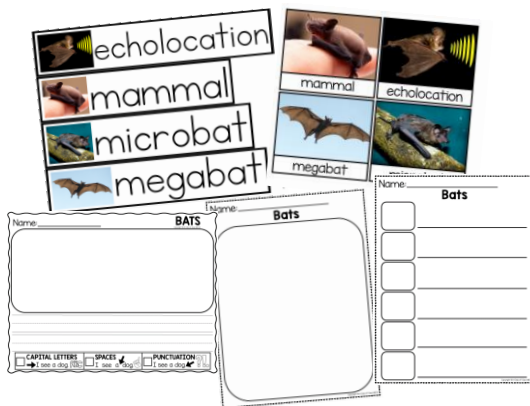
By: _____

BONUS MATERIALS

for BATS

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.



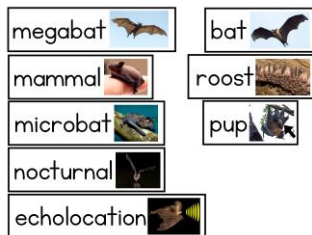
DEFINITION POSTERS

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.



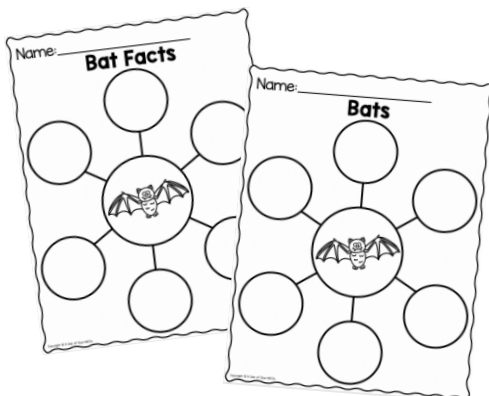
WORD WALL

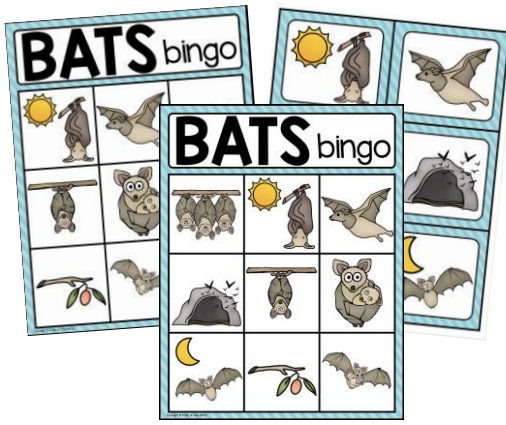
Add the new vocabulary you are introducing to your students throughout the week to the word wall. Students can refer to these words throughout the year.



CIRCLE MAPS

Use these circle maps when introducing bats 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.





BATS BINGO

Add this Bats 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.



FINGERPLAY

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



FLYING BAT STEM

Culminate the unit with this engaging STEM activity that will have your students thinking creatively to get their bats to "fly."



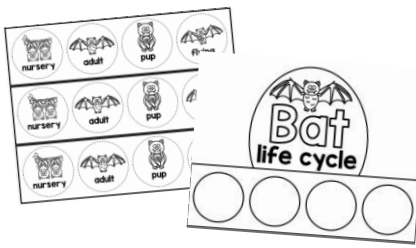
TOILET PAPER TUBE BAT CRAFT

Make this simple and fun toilet paper roll bat craft to celebrate studying bats. Students will love getting to bring these cute bats home!



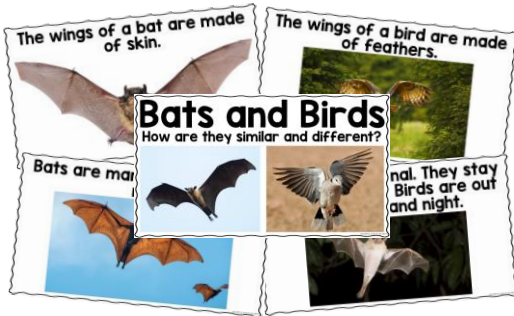
POSITIONAL WORDS EMERGENT READER

Students can practice one-to-one correspondence and positional words 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.



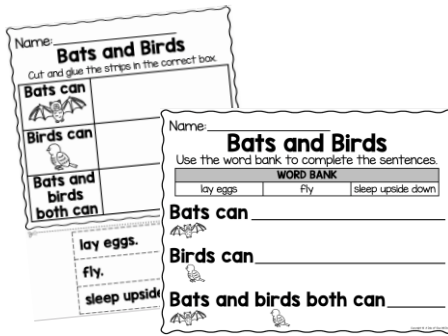
LIFE CYCLE HAT

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



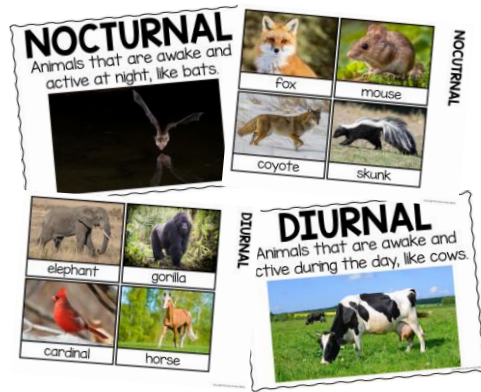
BATS AND BIRDS POWERPOINT

Use this bonus PowerPoint and posters to discuss the similarities and differences of bats and birds.



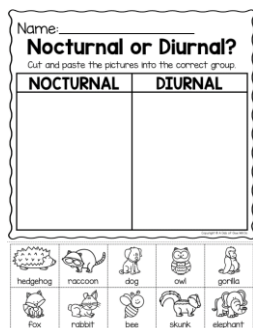
BATS AND BIRDS WORKSHEETS

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



NOCTURNAL OR DIURNAL SORT

Teach students the meaning of nocturnal and diurnal by engaging them in this sorting activity to identify which animals fall under which category. Do as a whole group or place in a center for students to review on their own.



NOCTURNAL OR DIURNAL WORKSHEET

After completing the whole group sort and discussing animals that are diurnal and nocturnal, students can independently complete this sort worksheet to show what they have learned.