



## Teacher's Notes: Bats in Texas

### Learning Objectives:

The students will be able to write or trace key ideas of the text.

The students will be able to identify bats, bridges, caves,

The students will be able to express where, how, and when bats sleep.

The students will be able to express the names of specific insects that bats eat.

The students will be able to do image searches on key ideas of the text.

The students will be able to graph student opinions.

The student will be able to answer questions from a graph.

The students will engage in the concepts of under, upside down, bridges, caves, nocturnal, and types of insects

### Activities

1. Students do image searches. Have students use main idea cards. Have the students save pictures of their favorite ones. Those are then inserted onto a Word document or a PowerPoint. Students write a sentence about each bird characteristic.
2. Have students color the bats pictured below sleeping. Cut them out, and glue them under a bridge and in a cave that you create using butcher paper.
3. Go through nature magazines or use google images to find insects that live in your area. Discuss whether bats might like to eat those insects.

**General Tips:** The goal is to build background knowledge while leading an engaging discussion on any and all information that can be talked about on a given page. The items that you choose to bring up or focus on can be modified for the students you are working with. For example, if you have a student who can point to something in the picture, answer yes/no questions be sure to incorporate a lot more of that as you go through the book. On the same token, be sure to ask a lot of comprehension questions and critical thinking questions at the level appropriate for students. There is something for everyone.

**Page 1:** Bats live all over the world. One place that they live in Texas. Millions of bats mean A LOT of bats.

**Point:** bats, sky, trees, sky, United States, Texas

**Yes/No:** Are there bats in Texas? Is Texas the only state that has bats? Are there a lot of bats in Texas?

**WH Questions:** Where can you find bats? Which state can you find a lot of bats?

**Opinions/Experiences:** Have you ever been to Texas? What animal do you have millions of in your state?

**Peer to Peer Interaction:** After you read Page 1, have students find the eyes main idea or picture card and talk to their partner about where bats live and how many there are.

**Page 2:** Bats sleep under bridges. They sleep upside down.

**Point:** bridge, water, sky, sleeping bats

**Yes/No:** Do bats sleep in a bed? Do they sleep laying down? Do they sleep upside down? Do they sleep on top of the bridge? Under the bridge? Do they sleep in the water?

**WH Questions:** Where do bats sleep? How do they sleep?

**Opinion/Experiences:** Would you like to sleep upside down? How do you sleep at night?

**Peer to Peer Interaction:** After you read Page 2, use the main idea cards. Ask students to discuss bats sleeping.

**Page 3:** Bats also like to sleep in caves. Some bats sleep under a bridge. Some bats sleep in caves. Some caves have names. Bracken Cave is a very famous cave. Millions of bats sleep there. It's famous for the bats. It is in Texas. Bats like to live in a group. They sleep during the day. During the day they do not fly around outside. They sleep.

**Point:** Bats sleeping, cave, rocks, cave entrance.

**Yes/No:** Do millions of bats sleep in caves together? Do they sleep at night? Day?

**WH Questions:** When do bats sleep? Where do they sleep?

**Opinion/Experiences:** Do you live with millions of people? Who do you live with?

**Peer to Peer Interaction:** After you read Page 3, have students find the eyes main idea or picture card and talk to their partner about Bracken Cave.

**Page 4:** Bats do not sleep at night. They sleep in the day. That is called nocturnal.

**Point:** Moon, bats, sky, tree, wings

**Yes/No:** Are bats awake at night? Are they awake in the day? Are bats nocturnal.

**Questions:** When you are eating dinner, what are the bats doing? When you are at school, are bats awake? When you are asleep are bats awake? What is nocturnal?

**Sharing Opinion/Experiences:** When do you sleep? What other animals that are awake at night?

**Peer to Peer Interaction:** After you read Page 4, use the main idea cards. Ask students to discuss bats sleeping.

**Page 5:** Bats eat insects. Insects are bugs. This insect is called a moth. It looks like a butterfly. Moths are awake at night. At night they fly over to where lights are. Sometimes they are on people's porch.

**Point:** moth, wings, antennas

**Yes/No:** Is this a butterfly? Is it a moth? Do bats eat moths? Is a moth an insect? Is a moth a dog? Do you like to eat moths?

**WH Questions:** What is one type of insect that bats like to eat?

**Sharing Opinion/Experiences:** Have you seen moths? Where do you see them?

**Peer to Peer Interaction:** After you read Page 5, use the main idea cards. Ask students to discuss moths.

**Page 6:** Bats eat crickets. Crickets are insects. Crickets are awake at night. They jump around. Bats think that crickets taste good.

**Point:** cricket, legs, antennas

**Yes/No:** Do bats like to eat crickets? Moths? Pizza? Do crickets fly? Do they jump or hop?

**WH Questions:** Do bats eat crickets? Do crickets hop?

**Sharing Opinion/Experiences:** Have you seen crickets in your basement or outside?

**Peer to Peer Interaction:** After you read Page 6, use the main idea cards. Ask students to discuss crickets.

**Page 7:** Bats like to eat beetles. There are a lot of types of beetles. Bats think beetles taste good. They love to eat them.

**Point:** beetle, antennas, flower, stem, legs, head, body

**Yes/No:** Do bats eat beetles? Moths? Crickets? Flowers? Ice cream?

**WH Questions:** What do bats eat? What are some of the insects that bats eat?

**Opinion/Experiences:** Have you ever seen a beetle? Where did you see it?

**Peer to Peer Interaction:** After you read Page 7, use the main idea cards. Ask students to discuss beetles.

**Page 8:** Bats like to eat mosquitos. Mosquitoes are an insect that bothers people. They like to live in the forest and near water. They like lakes and rivers. They bite people. Bats love to eat mosquitos.

**Yes/No:** Do bats eat hot dogs? Do bats eat mosquitos? Moths? Crickets? Insects?

**WH Questions:** What type of insects do bats eat?

**Opinion/Experiences:** Have you seen mosquitos here?

**Peer to Peer Interaction:** Have students find the “melons” main idea/picture card and talk to each other about melons.

**Page 9:** Mosquitoes bite people. They are so annoying. They bug people. When people get bit they have a mosquito bite. It leaves a bump. It itches. When I see a mosquito on my hand, I slap it. I do not want a mosquito bite. When it itches, I scratch it. Can you all scratch your arm.

**Point:** hand, mosquito, legs, bite marks, scratching

**Yes/No:** Do bats sleep at night? Do bats sleep during the day?

**WH Questions:** When do bats sleep?

**Opinion/Experiences:** What do people do to try to keep mosquitos away?

**Peer to Peer Interaction:** After you read Page 9, use the main idea cards. Ask students to discuss mosquito bites.

