

Bats, Bats, Bats!

Lapbook

Designed for K-8th grades



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L-BBB

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HOW DO I GET STARTED?

First, you will want to gather your supplies. Depending on which format you purchased from us, you will need different supplies. So, take what applies, and skip over the rest.

*** Printing:

*Print instructions and study guide on white copy paper.



*Print the booklet templates on 24# colored paper or 110# cardstock. For some booklets, we have suggested specific colors or cardstock. You may choose to use those suggested colors, or you may choose to print on any color that you like.



*** Assembly:

*Folders: We use colored file folders, which can be found at Walmart, Sam's, Office Depot, Costco, etc. You will need between 2 and 4 file folders, depending on which product you have purchased. You may use manilla folders if you prefer, but we have found that children respond better with the brightly colored folders. Don't worry about the tabs....they aren't important. If you prefer, you can purchase the assembled lapbook bases from our website.

*Glue: For the folder assembly, we use hot glue. For booklet assembly, we use glue sticks and sometimes hot glue, depending on the specific booklet. We have found that bottle glue stays wet for too long, so it's not a great choice for lapbooking.



*Other Supplies: Of course, you will need scissors. Many booklets require additional supplies. Some of these include metal brad fasteners, paper clips, ribbon, yarn, staples, hole puncher, etc. You may want to add decorations of your own, including stickers, buttons, coloring pages, cut-out clipart, etc. The most important thing is to use your imagination! Make it your own!!



Ok. I've Gathered the Supplies. Now How Do I Use This Product?

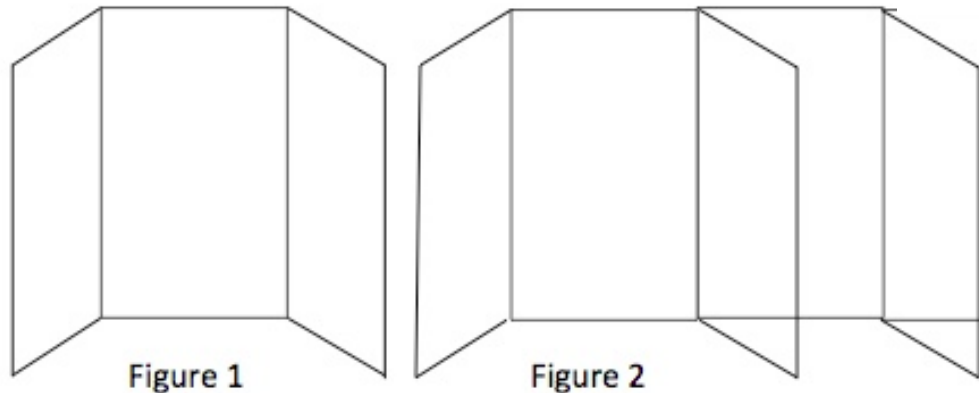
Inside, you will find several sections. They are as follows:

1. **Lapbook Base Assembly & Layout Guide:** This section gives instructions and diagrams and will tell the student exactly how to assemble the lapbook base and where to glue each booklet into the base. Depending on the student's age, he or she may need assistance with this process, especially if you choose to allow the student to use hot glue.
2. **Student Instruction Guide:** This section is written directly to the student, in language that he or she can understand. However, depending on the age of the child, there may be some parent/teacher assistance needed. This section will also tell the student exactly what should be written inside each booklet as he or she comes to it during the study, as well as telling the student which folder each booklet will be glued into.
4. **Booklet Templates:** This section includes ALL of the templates for the booklets.
5. **Study Guide:** This section is a great resource for the parent/teacher while teaching about farming and harvest customs.

Bats, Bats, Bats! Lapbook

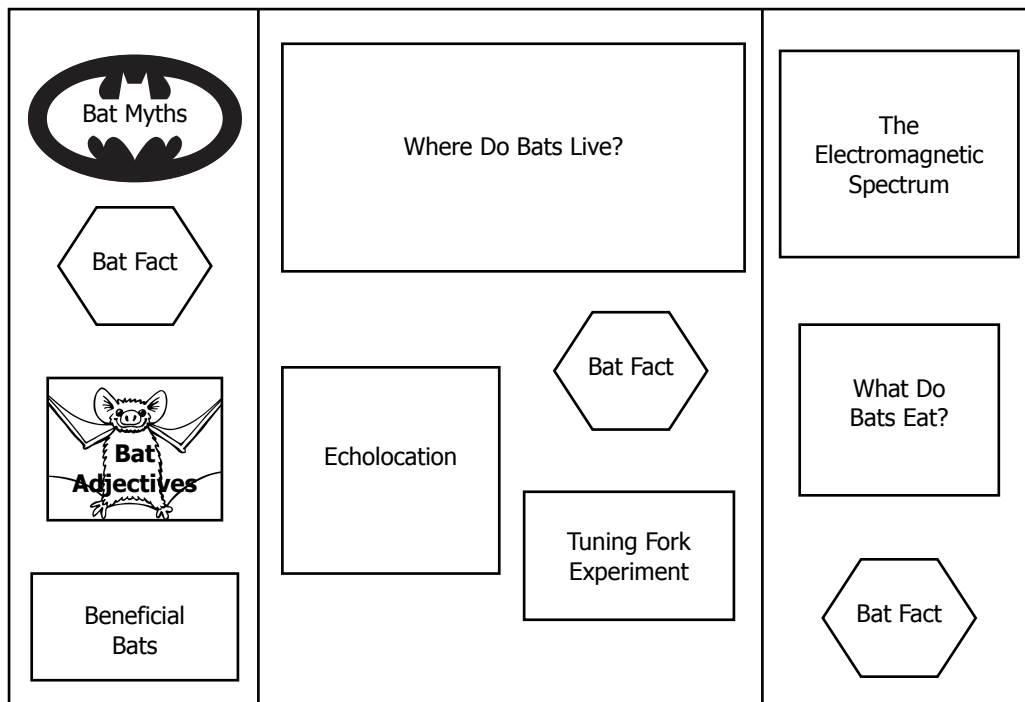
Base Assembly & Layout Guide

You will need 2 folders of any color. Fold both sides toward the original middle fold and make firm creases on these folds (Figure 1). Then glue (and staple if needed) the backs of the small flaps together (Figure 2).

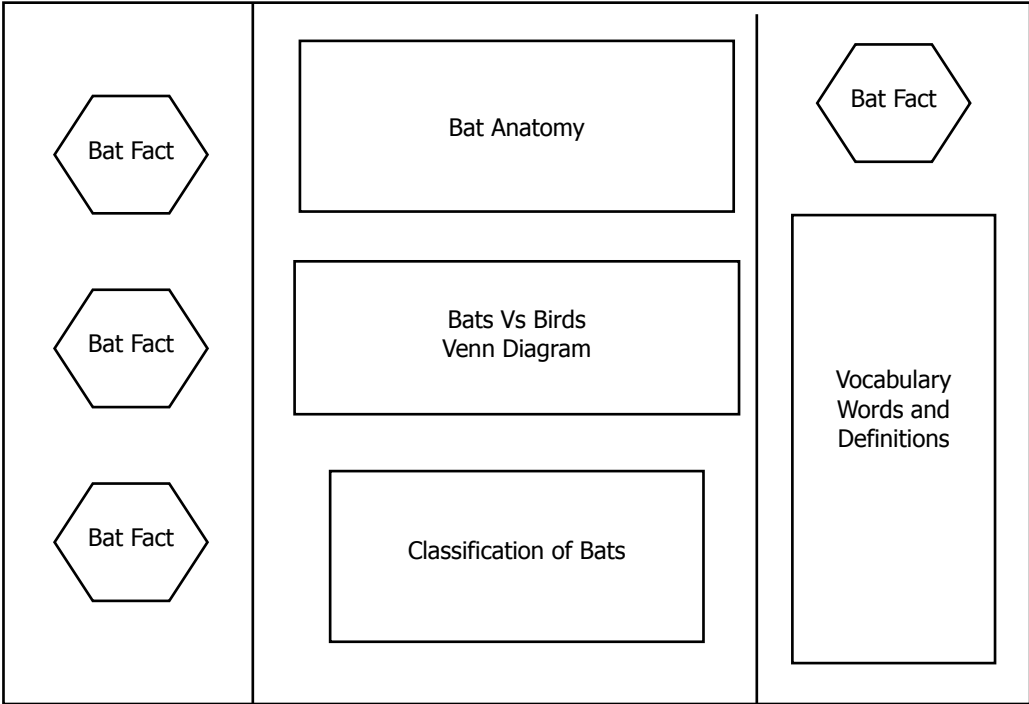


This is the "Layout" for your lapbook. The shapes are not exact on the layout, but you will get the idea of where each booklet should go inside your lapbook.

Inside of Folder #1:

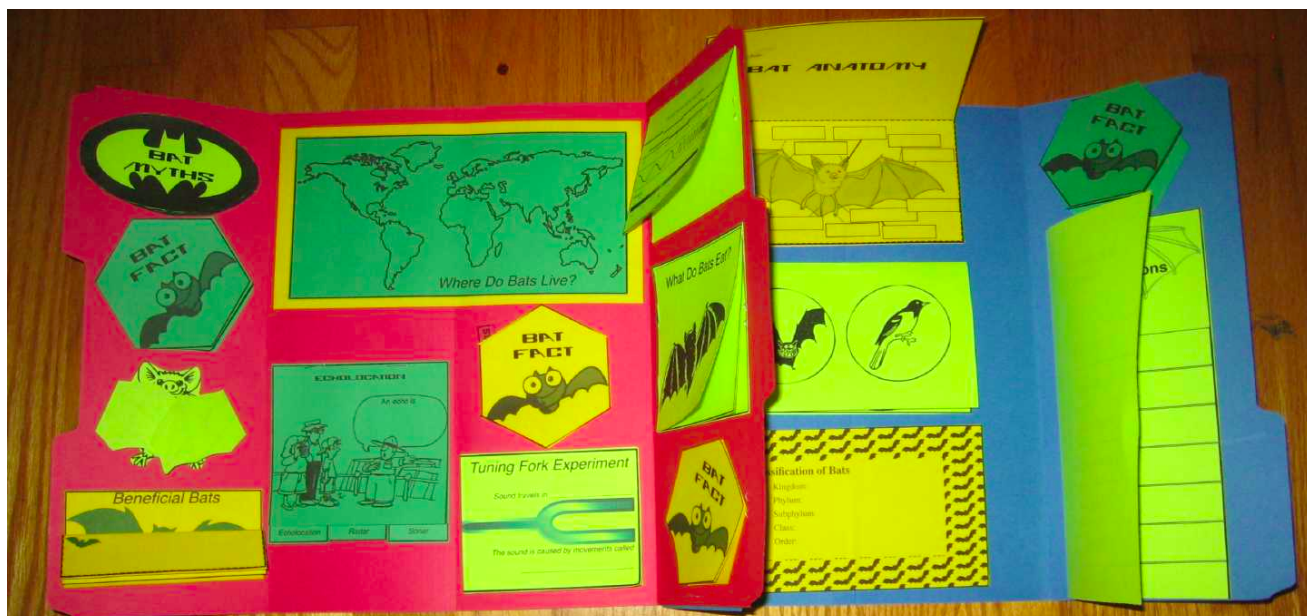


Inside of Folder #2:



Below you will find pictures of a completed *Bats, Bats, Bats!* Lapbook. YOUR lapbook will be laid out in the SAME way.

This should help in figuring out how to assemble the booklets and then how to put it all together!



Inside of Folder #1:



Inside of Folder #2:



Bats, Bats, Bats!

Student Instruction Guide

Booklet #1

*Booklet Title: Bat Adjectives

*Student Instructions: Write five adjectives that come to mind when you think of the word "bat." Write them on the lines. You may want to use a colored pen or pencil to make the words stand out.

*Completed booklet will be glued into Folder #1 (See Layout)

**Assembly Instructions: Cut booklet out around the outer black line edges. Fold the wings in so that the bat is folded in thirds. Write "Bat Adjectives" on the outside of the wings. Glue into folder.

Booklet #2

*Booklet Title: Bat Myths

*Student Instructions: List the five big myths about bats on the ovals. On the back of each, tell briefly why this myth is incorrect or only partially true.

*Completed booklet will be glued into Folder #1 (See Layout)

**Assembly Instructions: Cut ovals around the outer black line edges. Stack them with the title piece on top. Affix into folder with staple or brad.

Booklet #3

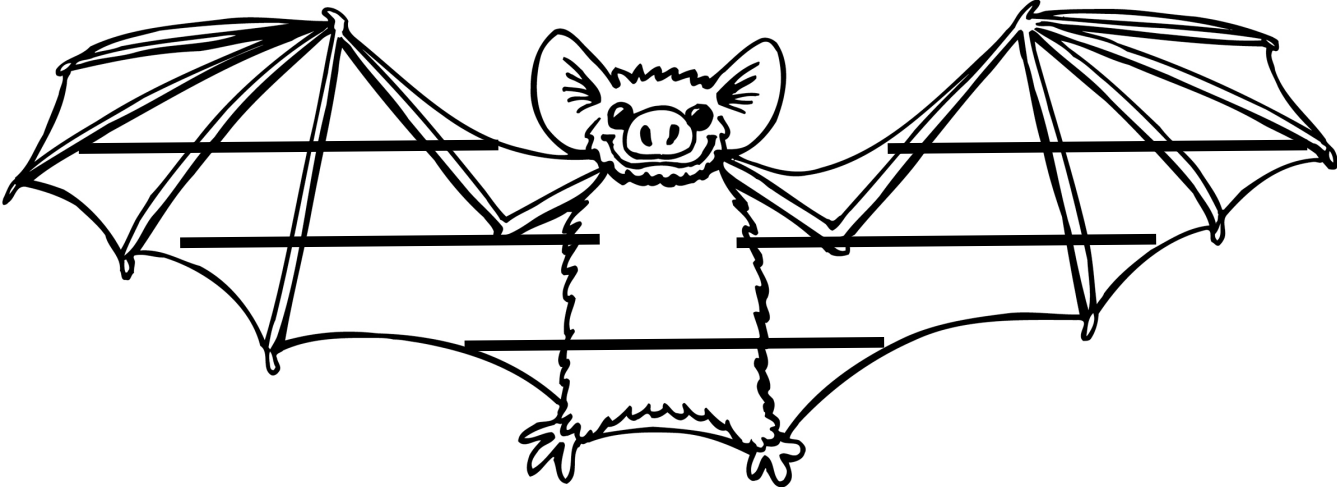
*Booklet Title: Echolocation

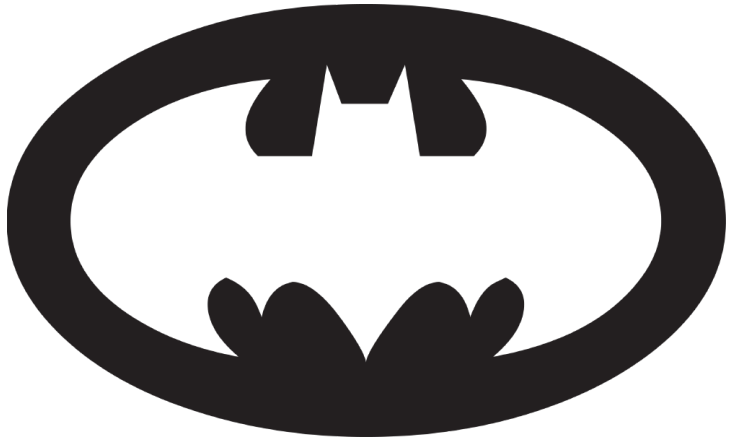
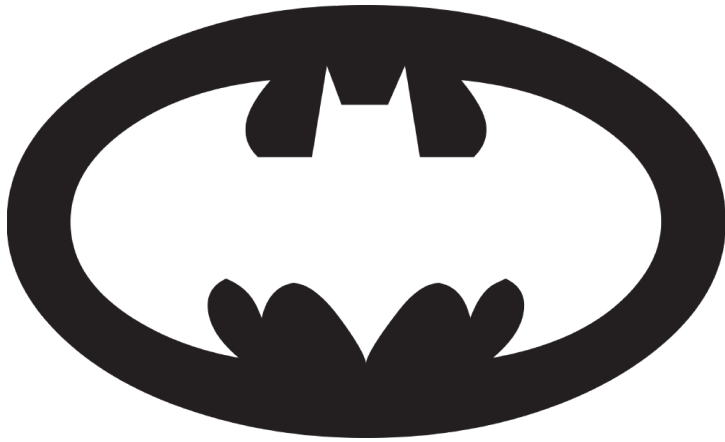
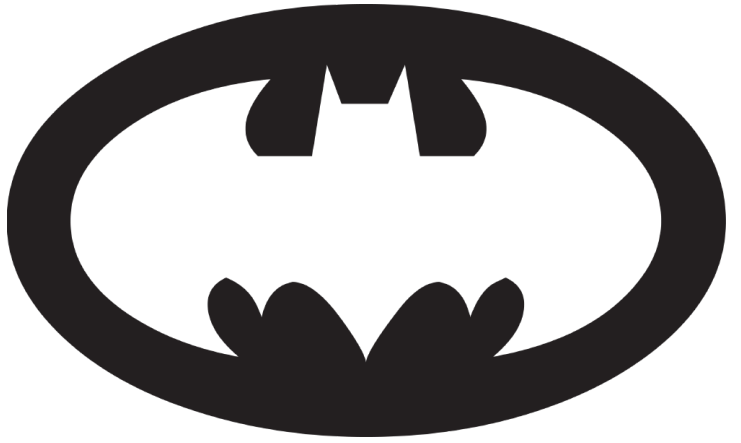
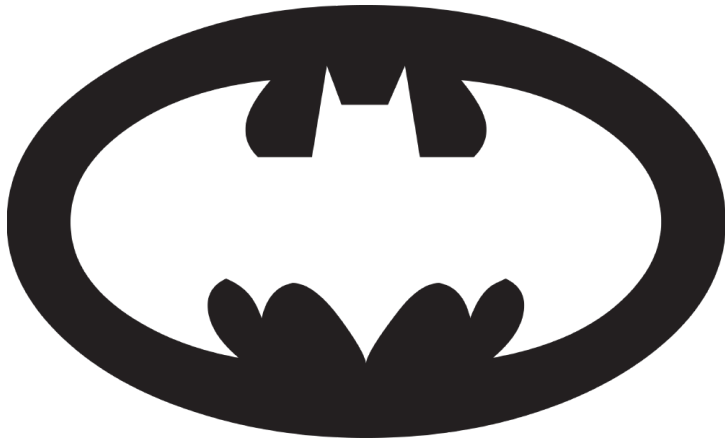
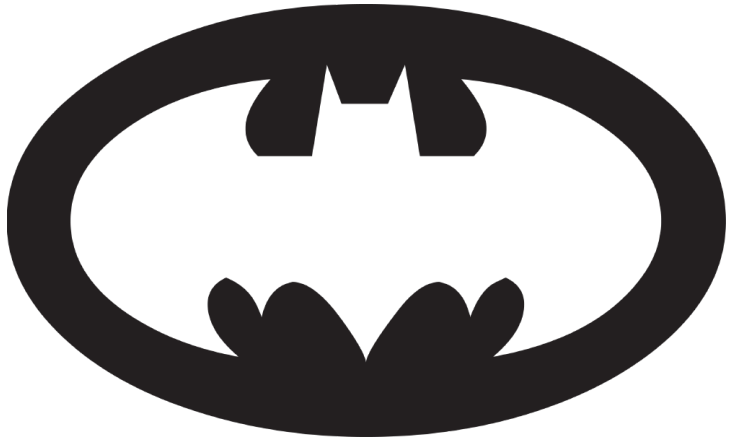
*Student Instructions: Write the definitions of echo, echolocation, sonar, and radar on the provided pages. Tell what you have learned about each.

*Completed booklet will be glued into Folder #1 (See Layout)

**Assembly Instructions: Cut booklet out around the outer black line edges. Stack pages with the title page on top and the tabs for the other pages showing. Staple or tie with ribbon and affix in folder.

Bat Adjectives





Bats, Bats, Bats!

Lapbook

Study Guide



What adjectives would you use to describe a bat? Scary, creepy, ugly, furry, cute, interesting? If you are like many people, you may associate bats with dark caves and spooky old houses. If you have ever had one fly at you in an enclosed space, you may have thought it was trying to get you. If you are a Navy scientist, you may find these creatures fascinating and smart, and you may want to borrow their technology!

"What?" you say, "Bats. . . fascinating?" Yes, bats are, in fact, one of the most unique animals in creation. For one thing, they are the only mammals that can truly fly. They have many characteristics that help them to survive in their environments. Scientists are interested in their capabilities, most notably that of *echolocation*. OK, that is kind of a big word and we are going a little fast here. You might not even be convinced that bats are not so scary yet, so first let's dispel a few myths you may have heard about bats.

Myths About Bats

Myth #1: *Bats can shapeshift into vampires!*

Um, OK, I am sure you don't believe that, but since it is in an awful lot of books and movies, let's just make sure we are clear. Bats do not shapeshift into anything, nor do they have anything to do with vampires. They are just little animals, like mice or rats or squirrels or cats. They are no more frightening than any other small animal that startles you at night!

Myth #2: *All bats want your blood!*

"Wait a minute," you may be thinking, "there is such a thing as a 'vampire bat,' and I am pretty sure it does eat blood." Yes, that much is true. Here are the facts: there are more than 1,000 species of bats in the world. Incredibly, they make up almost one-fifth of the species of mammals. There are at least 45 species that live in the United States. Only three species of bats feed on blood, and none of them live in North America, Europe, Asia, Africa, or Australia. All three of them live in Central and South America. In those regions, two of the *hematophagous* - or blood-eating - bat species feed mainly on the blood of birds. Only one of them feeds primarily on the blood of other mammals, and it does so in much the same way that a mosquito does. It is called a *common vampire bat* because it does feed on blood, and it is the only mammal to do so. The common vampire bat's hearing is so developed that it can tell when a larger mammal is sleeping by listening to its breathing pattern. Its most common prey are sleeping cows and horses. It may attack other mammals, including the occasional sleeping human. It does not remove enough blood to kill its host. Sickness or occasional death may result from infections that can develop in the bite wound, or from diseases that the bat may carry and spread to its host.