

# ALL ABOUT LADYBUGS!

## LADYBUGS

### LESSON PLAN

#### Week at a Glance:

- Day One: Physical Traits of Ladybugs
- Day Two: Ladybug Habitats
- Day Three: The Life Cycle of a Ladybug
- Day Four: Why Ladybugs Eat
- Day Five: Ladybug Behavior



## LADYBUGS

### LESSON PLAN

Day One: Physical Traits  
Objective: The students will be able to describe physical traits of ladybugs.



### LESSON PLAN: DAY ONE

Introduction (5 minutes):

## LADYBUGS

### MAIN IDEA AND KEY DETAILS

Where do ladybugs live?

#### MAIN IDEA

Ladybugs live in many different places.

#### Detail #1

## LADYBUGS

### LADYBUG RESEARCH

Directions: Choose one type of ladybug to research more about. Fill in the information below.

SPECIES

Interesting Facts

Appearance

diet

HABITAT

antennae

elytra

head

legs

eyes

a \_\_\_\_\_ legs  
a \_\_\_\_\_ head  
a \_\_\_\_\_ thorax  
a \_\_\_\_\_ elytra

## LADYBUGS

### DIET UNSCRAMBLE

Directions: Unscramble each word associated with what ladybugs eat.

AHPDIS

ITEMS

ISECNT EGS G

PNOLINE

NCTEAR

SCIAES

FNGUI

PSTES



# A COMPREHENSIVE FIVE DAY UNIT ALL ABOUT LADYBUGS!

Includes lesson plans, graphic organizers, craft ideas, projects, comprehension questions and more!

FROM YOUR FRIENDS AT

**az**  
ANIMALS

# LADYBUGS

## LESSON PLAN

### Week at a Glance:

\*Day One: Physical Traits of Ladybugs

\*Day Two: Ladybug Habitats

\*Day Three: Types of Ladybugs

\*Day Four: What They Eat

\*Day Five: Ladybug Behaviors



# LADYBUGS

## LESSON PLAN



Day One: Physical Traits

Objective: The students will be able to describe physical traits of ladybugs.

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## LESSON PLAN: DAY ONE

### Introduction (5 minutes):

\*Ladybugs are colorful beetles, well-known for having black and red polka dots on their backs. Ladybugs can also be many other colors though - yellow, pink, orange and more! What do you know about ladybugs? Have you ever seen a ladybug in your backyard or on the sidewalk? Ladybugs are everywhere!

\*What do ladybugs look like? Today, we are going to learn more about their physical appearance! Because ladybugs are insects, they have three body parts - a head, thorax and abdomen, six legs, 2 antennae and a hard, outer shell called an exoskeleton.

# LADYBUGS

## Lesson (15 minutes):

\*The teacher will read the book, "Ladybugs" by Gail Gibbons. Questions to ask students during discussion - What is a ladybug? What makes a ladybug an insect? What colors can ladybugs be? What are the parts of a ladybug's body?

\*After reading, the teacher will guide the students in completing the "Ladybugs can, have, are" graphic organizer attached below.

\*In small groups, the students will complete the parts of a ladybug. Make sure to discuss that the elytra is the hard, colorful shell on a beetle or ladybug that protects its wings!

## Independent Work (10 minutes)

\*The students will complete the "Ladybug Adjective" worksheet, using adjectives to describe the different parts of ladybugs.

## Closing (5 minutes)

\*Review the worksheet together. The teacher will use a poster or the white board to record adjectives describing ladybugs.

# LADYBUGS

# LADYBUGS!

CAN

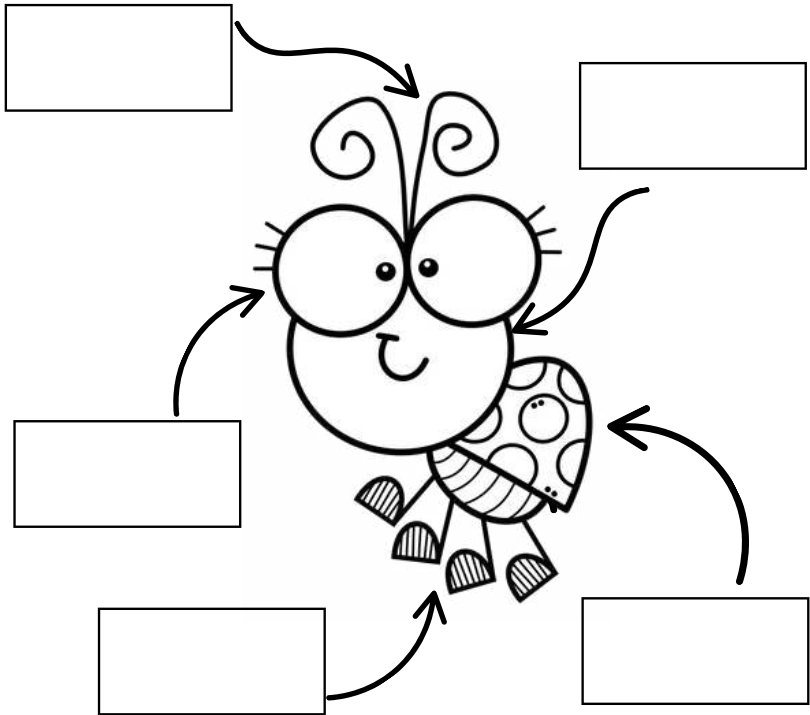
ARE



HAVE

# LADYBUGS

## PARTS OF A LADYBUG



antennae

elytra

head

legs

eyes

# LADYBUGS

## LADYBUG ADJECTIVES

Directions: An adjective is a describing word. Fill in the blank with an adjective that describes the physical traits about a ladybug.

### LADYBUGS HAVE...



a \_\_\_\_\_ body

\_\_\_\_\_ eyes

\_\_\_\_\_ antennae

a \_\_\_\_\_ abdomen

\_\_\_\_\_ legs

a \_\_\_\_\_ head

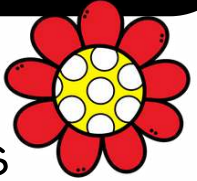
a \_\_\_\_\_ thorax

a \_\_\_\_\_ elytra



# LADYBUGS

## LESSON PLAN



### Day Two: Ladybug Habitats

Objective: The students will be able to identify where ladybugs live and what they need in their habitats to survive.



## LESSON PLAN: DAY TWO

### Introduction (5 minutes):

\*What is a habitat? A habitat is where an animal or insect lives! Ladybugs can be found all over the world! Ladybugs typically live in places where there are lots of food and plants. You can find ladybugs in gardens, parks, fields, meadows, bushes, trees, farms, forests and even in your backyard!

- \*To survive in their habitat, ladybugs need -
  1. sunlight the stay warm
  2. plants for food and to lay eggs
  3. moisture and fresh air
  4. hiding spots from predators like logs, leaves, bark, etc.

# LADYBUGS

## Lesson (15 minutes):

\*The students will watch the video, "Amazing Ladybug Facts for Kids" - <https://www.youtube.com/watch?v=YgIk8nlylls>

\*The teacher will guide the students in completing the "Main Idea and Key Details" writing prompt graphic organizer. The students will write three key details to support the topic of where ladybugs live.

## Independent Work (15 minutes)

\*The students will use the writing template attached below and the graphic organizer to write a paragraph about where ladybugs live.

## Closing (5 minutes)

\*The students will sit with a partner and read each other's paragraphs. They will tell their partner one strength and one area of growth for their paragraph. .

# LADYBUGS

## MAIN IDEA AND KEY DETAILS

Where do ladybugs live?

**MAIN IDEA** →

Ladybugs live in many different places.

**Detail #1** →

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**Detail #2** →

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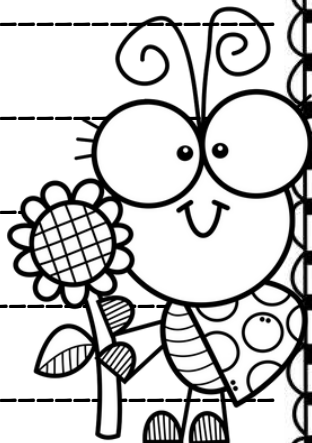
**Detail #3** →

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# LADYBUGS

## LADYBUG HABITATS



# LADYBUGS

## LESSON PLAN



Day Three: Types of Ladybugs

Objective: The students will be able to identify various ladybugs species.

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## LESSON PLAN: DAY THREE

### Introduction (5 minutes):

\*Let's review what we've learned so far! What do you remember about ladybugs? What do they look like? Where do they live? What do they need in their habitat to survive?

\*Ladybugs are a type of beetle! There are many different types of beetles. There are also many different types of ladybugs! A few examples are the seven-spotted ladybug, the two-spotted ladybug, the Asian Lady Beetle, the pink spotted ladybug and more! There are over 5,000 different species of ladybugs in the world.

# LADYBUGS

## Lesson (15 minutes):

\*The students will watch the video, "The Ladybug" -

<https://www.youtube.com/watch?v=vNigGu4VhfI>

\*The students will use non-fiction resources, including books, magazines, articles, online resources, etc. to collect information about various types of ladybugs. Students will complete the "Types of Ladybugs" worksheet and write two facts per type of ladybug.

## Independent Work (15 minutes)

\*The students will choose one type of ladybug that they want to learn more about and complete the "Ladybug Research" activity worksheet.

## Closing (5 minutes)

\*As a whole group, the students will share their research together.

# LADYBUGS

## TYPES OF LADYBUG

Directions: Write two facts about each type of ladybug.

Seven-Spotted  
Ladybugs

Asian Lady  
Beetle



Two-Spotted  
Ladybugs

Pink Spotted  
Ladybugs

# LADYBUGS

## LADYBUG RESEARCH

Directions: Choose one type of ladybug to research more about. Fill in the information below.

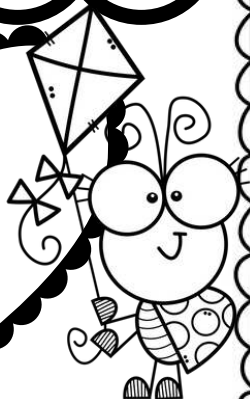
**SPECIES:**

Interesting Facts

Appearance

diet

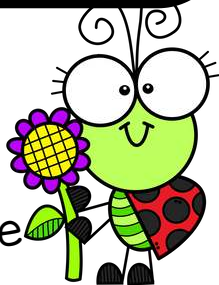
HABITAT



# LADYBUGS



## LESSON PLAN



Day Four: What Ladybugs Eat

Objective: The students will be able to identify what ladybugs eat.



## LESSON PLAN: DAY FOUR

Introduction (5 minutes):

\*What do you think ladybugs eat? We know that ladybugs love to live near plants! Ladybugs are super helpful insects for plants because they eat aphids, which are harmful to plants. Aphids are super tiny plant-eating insects. Ladybugs can also eat mites, scales, insect eggs, small caterpillars, pollen and nectar, and fungi.

\*Do you think ladybugs have predators? What kinds of animals eat ladybugs?

# LADYBUGS

## Lesson (15 minutes):

\*The teacher will read the book, "Are You A Ladybug?" by Judy Allen and Tudor Humphries. Questions to ask students - What do ladybugs eat? How do they get their food? Why are ladybugs helpful for plants?

\*After the book, tell the students to share with their small groups two things they learned from the book. Then, in their groups or with a partner, students will complete the "Diet Unscramble" worksheet attached below. Each word is associated with a food that a ladybug might eat.

## Independent Work (10 minutes)

\*The students will independently complete the "Ladybug Quick Check" comprehension questions below to assess for understanding from the lesson.

## Closing (5 minutes)

\*The teacher will give the students a sticky note or index card. Tell the students to write three things that ladybugs eat. Then, write one question you still have about ladybugs!

# LADYBUGS

## DIET UNSCRAMBLE

Directions: Unscramble each word associated with what ladybugs eat.

AHPDIS

ITEMS



ISECNT EGS G

PNOLLNE

NCTEAR

SCLAES

FNGUI

PSTES



# LADYBUGS

## LADYBUG QUICK CHECK

1. What do ladybugs usually eat?

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2. Why are ladybugs helpful for plants?

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3. What is an omnivore?

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# LADYBUGS



## LESSON PLAN



Day Five: Ladybug Behaviors

Objective: The students will be able to describe various behaviors of ladybugs.



## LESSON PLAN: DAY FIVE

Introduction (5 minutes):

\*Ladybugs have many unique behaviors that make them special! How do you think ladybugs protect themselves from predators?

\*Although ladybugs are small, they have smart defenses! They have bright colors which warn predators not to eat them. They can play dead, and they can even release a stinky yellow liquid from their legs! Ladybugs also group together in huddles to stay warm and safe in colder weather.

# LADYBUGS

## Lesson (15 minutes):

\*The teacher will read the book, "It's A Good Thing There Are Ladybugs" by Joanne Mattern. After reading, discuss unique behaviors of ladybugs! Ladybugs fly with their wings, they spend most of their day hunting for aphids and other food, they protect themselves using the defenses we discussed earlier, they group together, some ladybugs even migrate in cold weather!

\*The teacher will guide the students in completing the "Ladybugs Behaviors" graphic organizer activity worksheet.

## Independent Work (15 minutes)

\*The students will complete the "Vocabulary Match Up" defining insect, exoskeleton, elytra and aphid.

## Closing (5 minutes)

\*Ask: What was your favorite part about our unit and the most interesting thing you learned about ladybugs?

# LADYBUGS

## LADYBUG BEHAVIORS!

Directions: In the boxes below, record different ways ladybugs behave and communicate.

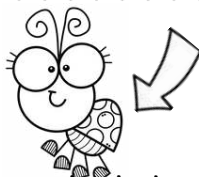


# LADYBUGS

## VOCABULARY MATCH UP



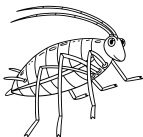
insect



exoskeleton



elytra



aphid

tiny insect  
that harms  
plants

hard, colorful  
outer wings  
of a ladybug

a small  
animal with  
three body  
parts & 6  
legs

hard outer  
covering that  
protects the  
body