

Unit 2.4, Lesson: Let's Build Some Habitats!

Lesson Intro:

Theme of the Day
Explain to students that today they will be learning more about their animals in order to help them build a new home. We will start by researching our animals and their habitats before recreating them in Scratch!

Learning objectives	Concepts (Social & Cross Curriculum)
<ul style="list-style-type: none">● Research a topic of interest● Determine the basic needs of an animal	<ul style="list-style-type: none">● Research● Function

Vocabulary	Guiding Questions
<ul style="list-style-type: none">● Background● Resources● Upload● Survival	<ul style="list-style-type: none">● How can I learn more about my animal?● How can I make my research come alive in Scratch?

Resources
<ul style="list-style-type: none">● Computers● Scratch● Habitat Model Sheet● Animal Assignments

Lesson Procedure:

Explore (15 min)
Don't Forget: Have computers available for Scratch and if possible have the website up and ready to save time.
Mini-lesson: For today's exploration, students will have a chance to play on Scratch a bit more on their own. The only requirement for this exploration is that students create a new project and save/share it at the end titled, "Explore". Have students sign on to their Scratch accounts and create a new project.

Quickly remind students about some of the blocks that they have learned to give them a jump start in their exploration. Remind students that the “event” blocks such as the Green Flag and the Space Bar make characters begin their movements. Meanwhile, the “motion” and “look” blocks allow characters to do different things.

Allow time at the end to quickly share out some great discoveries!

Give out Space Bucks for students who are being creative and independent.

Teacher Guided Learning (10min)

Don’t Forget: Have animals ready to assign to students. Have computers/relevant animal information printed for research and have a computer/projector ready to demonstrate research techniques. Have the Habitat Model Sheet copied.

Mini-lesson:

Today teachers will begin by giving out animal assignments to students. Explain to students that these choices were based off the animals they previously selected on the “Pick My Animal” sheet. These will be the animals the students are saving so make a big deal about it and explain how important it is for students to learn about their animal so that way they can save it! Play into the drama when handing out the animals to students.

Then, model how to use the resources below to find out information about your animal. Begin to think about how to build your habitat for your animal, what they might eat, and what other things they want or need to survive.

Explain that you have found several different places for them to find this information. Encourage students to use both pictures and text to help with their research.

<https://kids.nationalgeographic.com/animals/>

<https://www.zooborns.com>

<https://www.ducksters.com/animals.php>

Show students the Habitat Model Sheet. You don’t have to fill in the entire Habitat Model Sheet, but show the form to students. The Habitat Model Sheet will be for students to create a rough draft of their habitat after they’ve done their “research” and before they’ve hopped onto Scratch to build their real habitats.

Give out Space Bucks for students who are being independent, creative and are doing their best!

Partner/Team Practice (20 min)

Don't Forget: Have the Habitat Model Sheet copied and ready for students. No video for this section.

Mini-lesson:

For Partner Practice today, students will be conducting research to learn more about their animals. Students should fill out the Habitat Model sheet as they learn relevant information. Make sure students are being as detailed as possible as this will help their animal's survival and happiness when they recreate the habitats and animals in Scratch.

Give out Space Bucks for students that are being independent and students who are on task.

Reflect/Connect (5 min)

Don't Forget: NA

Mini-lesson:

For today's reflection students will share their research on the habitats they created for their animals. Encourage students to share facts and check for accuracy on what each student found.

Give out Space Bucks for students that are helping others with ideas and students who are on task.

Models:

Habitat Model Sheet

HABITAT MODEL SHEET



Name: _____

Grade: _____

**Directions: Write or draw your answers in each box.
For a challenge try to do both!**

WHAT IS YOUR ANIMAL?

WHAT DOES YOUR ANIMAL'S
HABITAT LOOK LIKE?

WHAT FOOD DOES YOUR
ANIMAL EAT?

WHAT EATS YOUR ANIMAL?

WHAT OTHER THINGS DOES
YOUR ANIMAL NEED TO LIVE?

WHAT OTHER ANIMALS ALSO
LIVE IN THE SAME HABITAT?