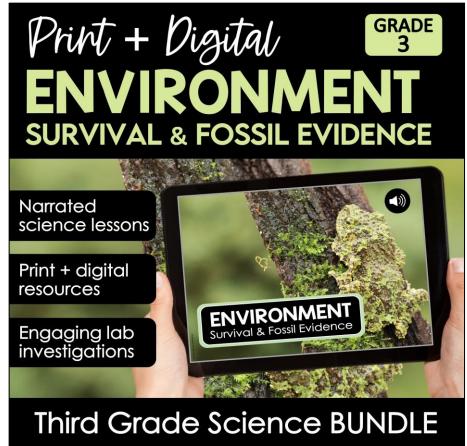
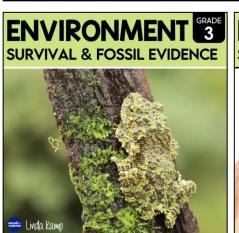


#### Ready to use science resources



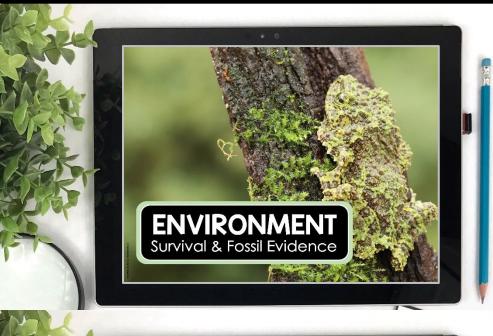


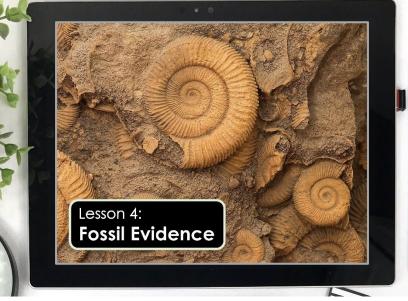


## STUDENTS GAIN AN UNDERSTANDING OF:

- Ways organisms adapt to their environment in order to survive
- Survival of individuals & groups
- Variations in a species that provide advantages for survival
- Types of fossils & how they formed
- The fossil record
- Analyzing fossil data
- The geologic time scale
- Organizing data in tables
- Carrying out investigations
- Making models & diagrams
- Writing a scientific explanation

## TEACHING POWERPOINT





## 10 INDEPTH TOPICS

- Survival of Individuals
- Behavioral Adaptations
- Trait Variation
- Survival of Groups
- Surviving in a Changed Environment
- Hibernation & Migration
- Fossil Evidence
- Types of Fossils
- The Fossil Record
- The Geologic Time Scale



#### NARRATED GOOGLE SLIDES



95 AUDIO SLIDES
5 IN-DEPTH
LESSONS

- Adapting to an Environment
- Survival of Groups
- Survival in Changed Environments
- Fossil Evidence
- Geologic Time Scale

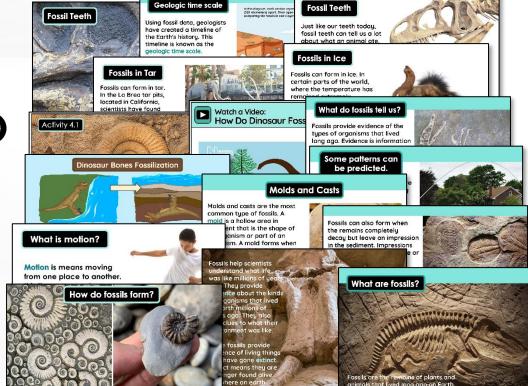
#### **EACH LESSON INCLUDES:**



#### DIGITAL LESSONS INCLUDE:



- Narrated lesson slides
- Science journal activity slides
- Digital quiz
- Science center activity
- Related lesson videos

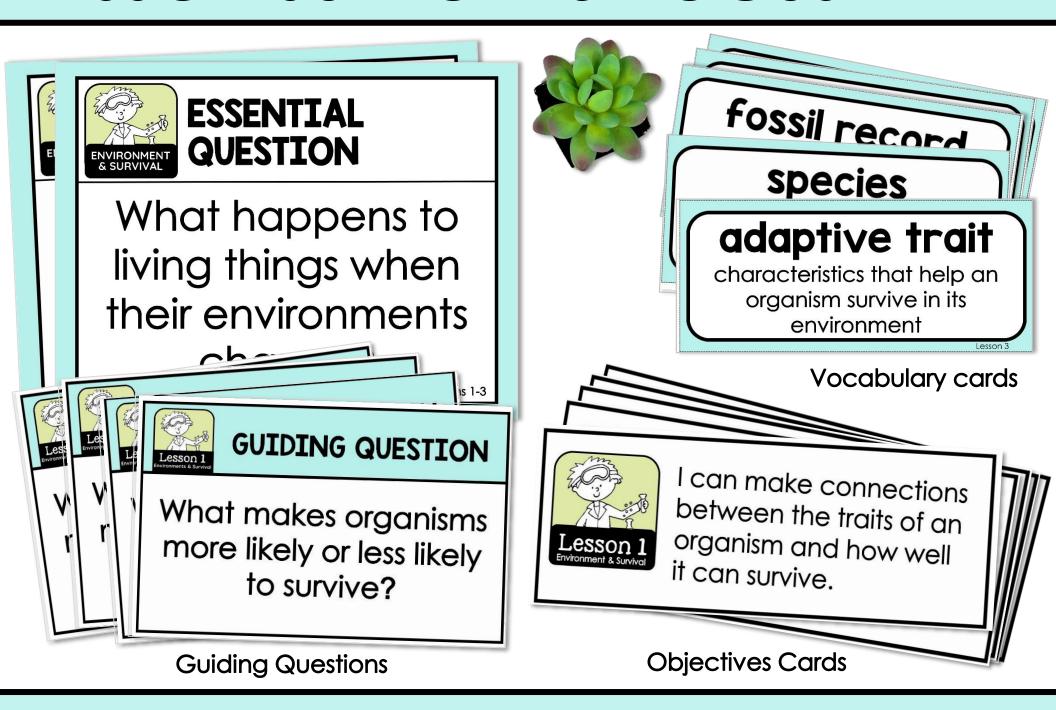


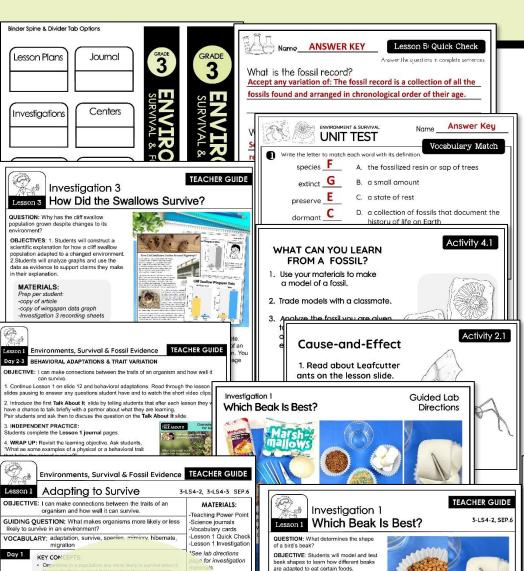
#### Fossil record

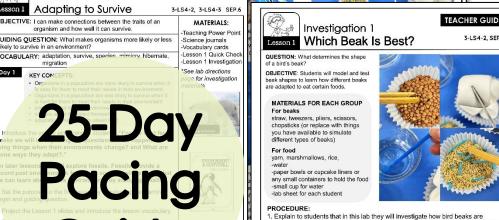
All the fossils collected over time and arranged in chronological order are known as the fossil record.
Scientists use the age of the rock layers in which the fossils are found to organize the fossil record. From the fossil record scientists can find patterns and learn how organisms have changed over time.

Which layer contains the oldest fossils?

#### LESSON SUPPORT & FOCUS WALL





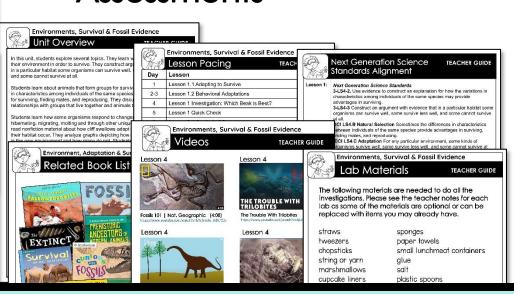


adapted to eating different kinds of food. "In this lab you will use your materials as models of different beaks to investigate how birds eat and how the shape

Guide

#### **TEACHER GUIDE**

- Scripted lesson plans
- Standards & objectives
- Performance tasks
- Teacher instructions
- Management tips
- Lab procedures & photos
- Extension activities
- Assessments



#### HIGH-ENGAGEMENT ACTIVITIES



## 5 HANDS-ON INVESTIGATIONS



make a diagram. A diagram is a type of model." "It is a drawing or a picture that shows the parts of something, and tells the purpose of each part, or how

3. Students choose an animal to draw. \*Students can also use magazine pictures

adapted to eating different kinds of food. "In this lab you will use your materials

as models of different beaks to investigate how birds eat and how the shape of a birds' beak shape gives you clues to the type of food it eats."

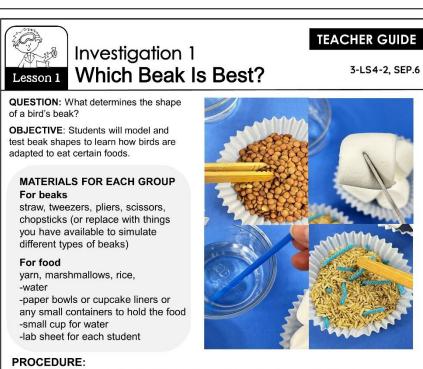
2. Place students in groups of 2-4 and provide them with the materials listed.

#### **STUDENTS ENGAGE IN:**

- Testing the functions of adaptations
- Simulating fossilization
- Making models of cast and trace fossils
- Analyzing fossil data
- Drawing diagrams
- Making models of the geographic time scale
- Reading nonfiction articles and analyzing data tables

## **EACH LAB INCLUDES:**

- Guiding questions
- Objective
- Materials list
- Scripted introduction
- Step by Step procedures
- Standards



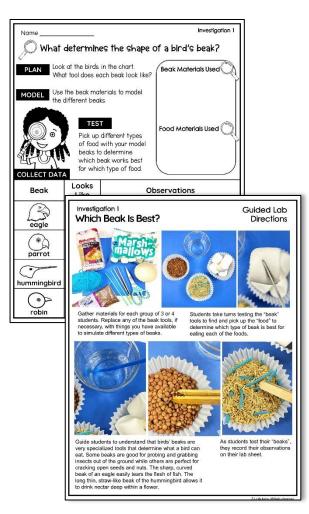
- 1. Explain to students that in this lab they will investigate how bird beaks are adapted to eating different kinds of food. "In this lab you will use your materials as models of different beaks to investigate how birds eat and how the shape of a birds' beak shape gives you clues to the type of food it eats."
- 2. Place students in groups of 2-4 and provide them with the materials listed.
- Students follow the steps on their lab sheet. Allow students time to test the beaks' abilities to get the different foods.
- 4. Students write their observations on their lab sheet. Ask students to consider what bird has a beak like the one they are modeling and what the bird eats. guide students to understand that different beak shapes are better at picking up different kinds of bird foods.

**SEP.2** Developing and using models to understand how animal characteristics help them survive

**3-LS4-2:** Use evidence to construct an explanation for how the variations in characteristics(beak shapes) among individuals of the same species may provide advantages for surviving, finding mates, and reproducing.

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#### Student lab sheet



Guided directions & possible results

#### LESSON RESPONSE JOURNAL

#### **WORKBOOK INCLUDES:**

- Applying vocabulary
- Writing to explain
- Labeling diagrams
- Comparing adaptations
- Interpreting data

What type of a Spicebush caterpillar h

(3) mimicr

mimicry

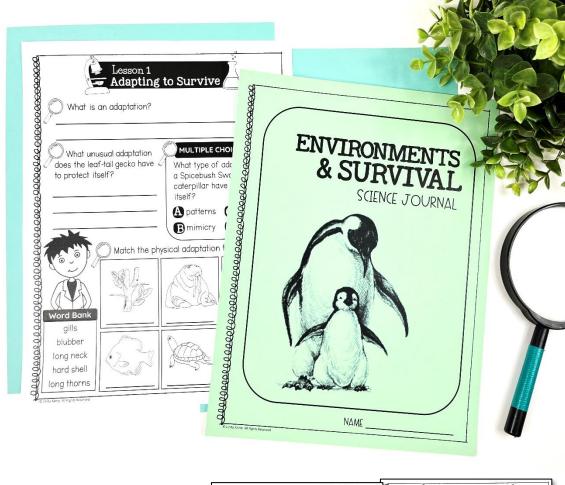
hibernate

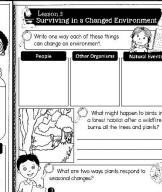
migration solitary

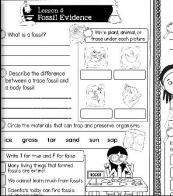
advantage dormant

adaptive trait



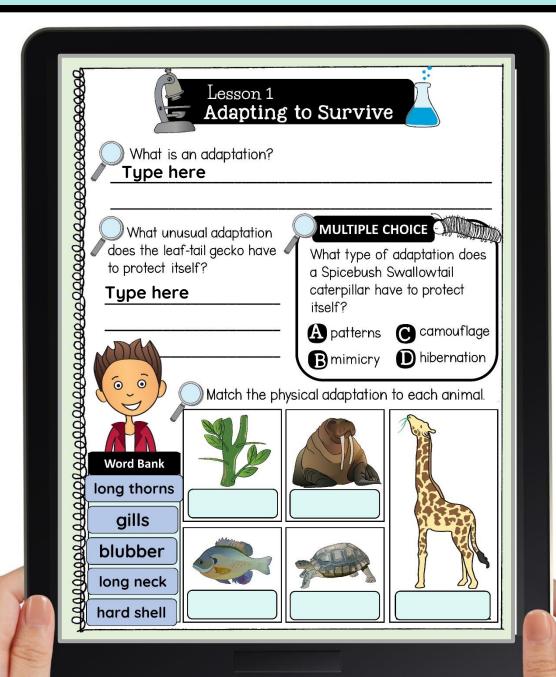








#### DIGITAL RESPONSE ACTIVITIES



Interactive
 journal
 activities on
Google Slides™
for each lesson
\*with moveable
 pieces

#### LITERACY-BASED SCIENCE CENTERS





Reinforce SCIENCE CONTENT

Practice
MATH &
LITERACY SKILLS



### DIGITAL CENTER ACTIVITIES

## Reinforce SCIENCE CONTENT

# Practice MATH & LITERACY SKILLS



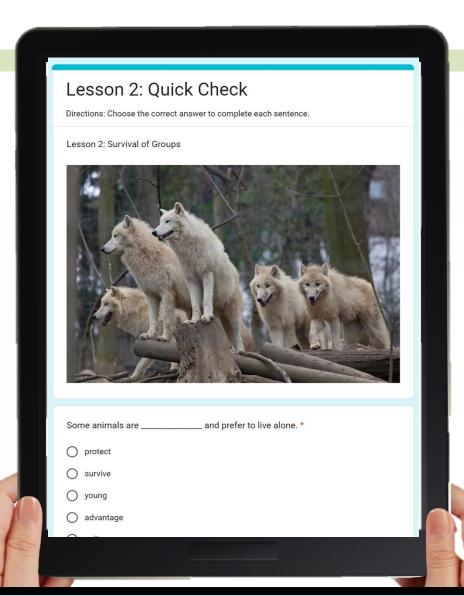


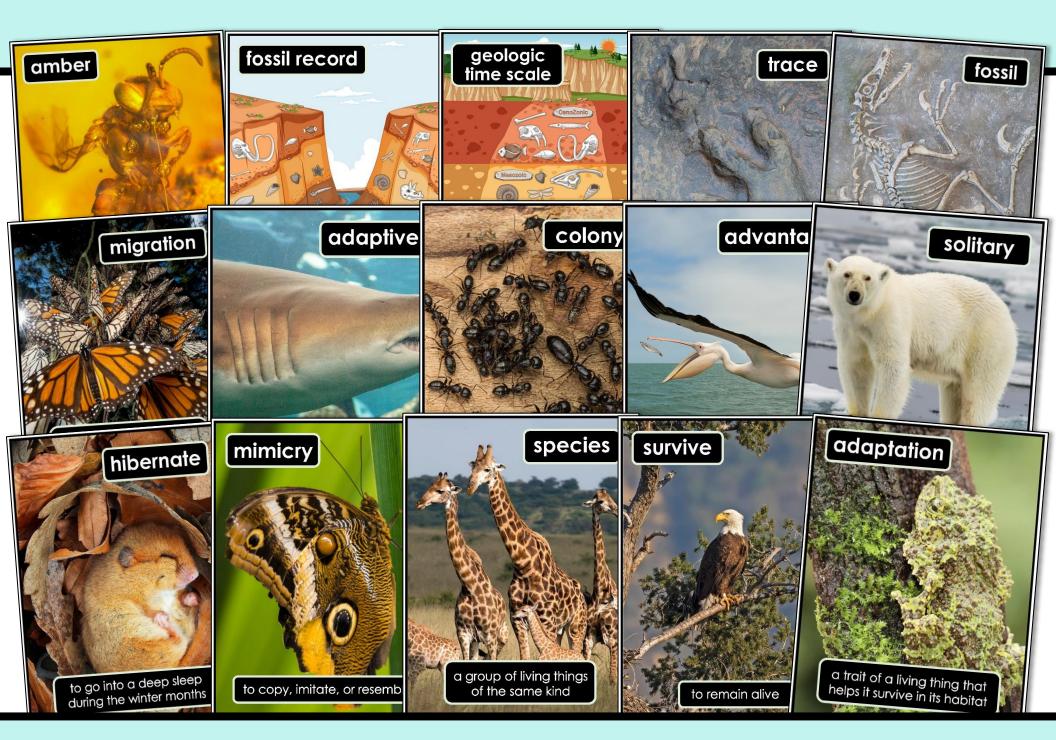
## ASSESSMENT MADE EASY

#### Self-checking Google Forms unit test & quizzes

## Extension activities that tie in ELA & math







Full Page Vocabulary Posters

#### UNIT PLANNING BINDER



Organize your unit in a handy planning binder

#### Binder includes:

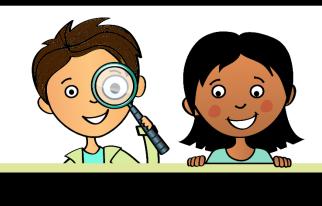
- cover & spines
- section dividers
- divider tabs

**PLAN-TEACH-ASSESS** 

a rigorous and highly engaging unit



#### **BONUS** Bulletin Board Elements



# ENVIRONMENTS Survival & Fossils





Objectives

Learning Targets

# CREATE A SCIENCE FOCUS WALL

Display your learning targets, guiding questions, and vocabulary posters with the included bulletin board set.

#### THIRD GRADE SCIENCE CURRICULUM

## CLICK HERE to see additional units & the yearlong money-saving bundle.

