



# **ANIMALS OF AMBERGRIS CAYE**

**Animal Life Cycles**

**Habitats**

**Animal Growth and Development**

**Conservation and Preservation**

# LESSON *plan*

Grade: Standard 3

Subject: Science

Cycle 3

Week 1 of 3

Lesson #1

Duration: 60 Minutes

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Lesson Standards: SC 6.04 Diagram typical growth cycles of local animals.

Learning objective/s:

- Identify and describe key stages in the life cycle of at least one local animal.
- Create a diagram to represent the life cycle.
- Explain the cycle in their own words.

Materials needed:

- Animal Category Headings
- Animal Pictures Visual
- Egg & Parent Visual
- Life Cycle Handout
- Color pencils, crayons, or markers
- Computer per animal group

Local Animals of Ambergris Caye:

Hawksbill Sea Turtle  
American Crocodile  
Magnificent Frigate Bird  
Spiny Lobster  
Green Iguana  
Julia Butter Fly  
Red Eye Tree Frog

Hook/intro (10 minutes)

Show "Animal Picture" Visual

Ask: "Do you know the name of this animal?"

Discuss six animal categories: (Review from Standard 2 ) As you place headings across the top of the board.

Sort "Animal Picture" into each category using "Animal Category Headings".

- **Mammals:** Characterized by having fur or hair, giving birth to live young, and producing milk to nourish their offspring. Examples include humans, dogs, and whales.
- **Reptiles:** Have dry, scaly skin and typically lay eggs on land. Examples include snakes, lizards, turtles, and crocodiles.
- **Birds:** Distinguished by having feathers, beaks, and laying eggs with hard shells. Examples include eagles, parrots, and penguins.
- **Amphibians:** Cold-blooded vertebrates that can live both in water and on land. They have moist skin and often go through metamorphosis (like a tadpole turning into a frog).

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## Hook/intro (Continued)

- **Invertebrates:** Animals without a backbone. They comprise the vast majority of animal species and include insects, worms, arthropods, crustaceans such as lobsters, and many other types.
- **Fish:** Aquatic animals with gills for breathing and fins for swimming. They are typically cold-blooded and have scales.

Show Eggs and Parents Cards to learn more about the types of eggs.

Lead into: Today, we will learn how these animals grow and change.

## Direct Instruction:

### Teacher Talking Points:

- Every animal starts life differently - some hatch, some are born alive.
- Let's look at how animals you know from the beach, sea, and mangroves grow up.

Guided Practice: The teacher will show how to complete the "Life Cycle Handout."

Watch: The Life Cycle of a Butterfly - Science for Kids (4:10 minutes), pausing to draw pictures on the "Life Cycle Handout." Be sure to use the vocabulary provided on the worksheet. Write interesting facts about each stage. Highlight the information about the habitat needed for each stage, such as water, sand, trees, or the sea.

- "Why is the life cycle shown in the shape of a circle?" (Unending Flow chart)
- "Do all animals have these stages?"
- "Why is it important to protect animal nests and nesting sites?"

## Independent Practice:

Students will watch an animal video in their designated groups, using a shared computer. They will pause the video to draw the life stage of each animal on the "Life Cycle Handout." Additionally, they will record fascinating facts about each cycle that they discovered from the video. A list of videos for each animal can be found at the end of the lesson plans and is also printed on the students' "Life Cycle" Handouts.

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Lesson #2

Duration: 60 Minutes

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### Closure:

1. Review: Shuffle animal groups so there is a representation of each animal per group. Students share what they learned about their animal's life cycle to the group.

### Assessment:

- Diagram includes accurate stages in correct order.
- Student can explain what happens at each stage.
- Active participation in discussion and activity.

## Target Animals Ambergris Caye Videos:

### Class Guided Practice Video

#### **The Life Cycle of a Butterfly - Science for Kids (4:10 Minutes)**

Search: YouTube the life cycle of a butterfly science of kids

### Animal Group Videos

#### **Turtle Life Cycle Video (3:44 Minutes)**

Search: You Tube Sea Turtles 101 National Geographic

#### **Crocodile Life Cycle Video (2:58 Minutes)**

Search: You Tube Tale Cast Documentary The Life Cycle of Crocodiles!

#### **Crocodile Life Cycle (10:38 Minutes)** (For Advanced students)

Search: From Hatchling to Monster:

#### **Magnificent Frigatebird (2:38 Minutes)**

Search: You Tube Facts: The Magnificent Frigate Bird Deep Marine Scenes

#### **Spiny Lobster (3:07 Minutes)**

Search: You Tube Facts: The Spiny Lobster Deep Marine Scenes

#### **Green Iguana (3:34 Minutes)**

Search: You Tube Green Iguana Facts: aka the ORANGE IGUANA Animal Fact Files

#### **Lizard Nesting Video (4:21 Minutes)**

Search: Lizard Nest & Eggs Life Cycle

#### **Butterfly Life Cycle (4:24 Minutes)**

Search: You Tube Life cycle of a butterfly From eggs to full grown butterflies Hugs of life

#### **Julia Butterfly (2:52 Minutes)**

Search: You Tube Julia Butterfly Lifecycle LOBAM

#### **Red Eye Tree Frogs (5:41 Minutes)**

Search: You Tube Wild Planet for Kids: 10 Fascinating Facts About Red-Eyed Tree Frogs

#### **Red Eye Tree Frog Eggs & Embryos (1:19 Minutes)**

Search: You Tube Red-Eye Tree frog and Tadpoles Shadow of the Sun BBC Studios