# **Science Learning Progression**

FOSS Populations and Ecosystems; Inv.8, part 1, Grade: 7

Prerequisite skill: 4-5 LS3 Differences in inherited characteristics help offspring survive.

#### Learning Target:

Explain an *organism's* ability to survive in its environment based on its adaptation.

#### **Success Criteria:**

I can describe adaptation and explain how it can help an organism survive.

#### Formative Assessment/s:

- Pre assessment: Quick write
- Science notebook:

## Learning Target:

Define and give examples of inherited structural adaptations that enhance the ability of an *organism* to survive.

#### **Success Criteria:**

- I can define inherited structural (physical) characteristics.
- I can give examples of inherited structural (physical) characteristics.

## Formative Assessment/s:

- Venn Diagram: pp. 42-45
- Entry task: Think Questions: #3 on p. 45 in text

## Learning Target:

Define and give examples of inherited behavioral adaptations that enhance the ability of an organism to survive.

#### **Success Criteria:**

- I can define inherited behavioral characteristics
- I can give examples of. inherited behavioral characteristics

#### Formative Assessment/s:

## Learning Target:

Analyze how inherited adaptations help organisms survive and reproduce.

#### **Success Criteria:**

I can identify structural (physical) and behavioral inherited adaptations and explain how they help an organism survive and reproduce.

## Formative Assessment/s:

- T-chart video notes
- Small group discussion
- Expert groups
- Exit ticket

## Learning Target:

Using details and examples, explain how inherited adaptations may be a disadvantage if the environment changes.

## **Success Criteria:**

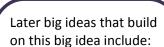
I can explain why an organism may not survive if the environment changes.

#### Formative Assessment/s:

- FOSS Student Sheet
- Probe #18, p. 109 "Change in the Environment," (Paige Keeley)

## Big Idea:

**Biological evolution:** Adaptations are physical (structural) or behavioral changes that are inherited and enhance the ability of an organism to survive. 6-8 LS3E<sub>a</sub>



6-8 LS3E<sub>b</sub>

In a particular environment, certain adaptations may not be an advantage.



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