

**LOUISIANA SCIENCE STANDARDS INTRODUCED OR REINFORCED
DURING TREES AND TRAILS FIELD TRIPS**

SCIENCE

3rd Grade

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

UE.LS4B.a: Sometimes the differences in characteristics between individuals of the same species provide advantages in surviving, finding mates, and reproducing.

3-LS4-3: Construct and support an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

UE.LS4C.a: For any particular environment, some kinds of organisms survive well, some survive less well, and some cannot survive at all.

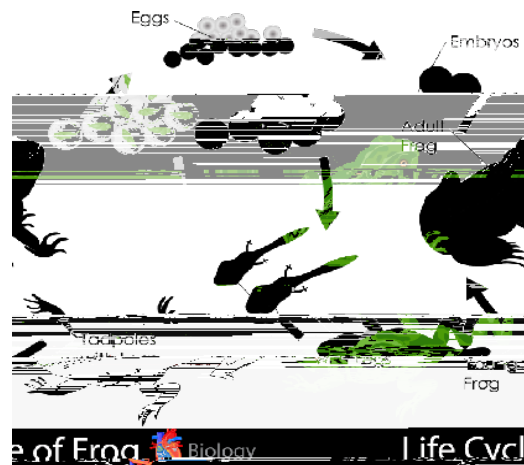
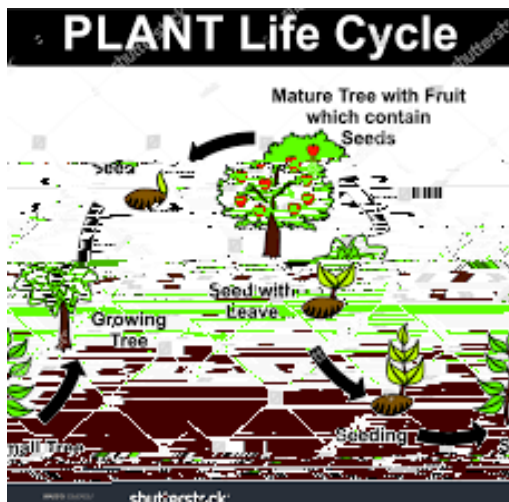
3-LS4-4: Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

UE.LS2C: When the environment changes in ways that affect a place's physical characteristics, temperature, or availability of resources, some organisms survive and reproduce, others move to new locations, yet others move into the transformed environment, and some die.

UE.LS4D.a: Populations live in a variety of habitats, and change in those habitats affects the organisms living there.

ANCHOR PHENOMENA THAT CAN BE INTRODUCED IN THE CLASSROOM (PRE-TRIP OPTIONS)

1. Looking at the images below, compare the life cycle of a plant to that of the animal.



2. Link to the Life Cycle of a Mosquito:

<https://www.youtube.com/watch?v=mroLFTPhL90>

3. Link to Monarch Butterfly Cycle: Also talks about warning colors and chemicals to prevent predators from eating them.

<https://www.youtube.com/watch?v=xT6UsQwZyy0>

5.