

5th Grade Learning Progression Scales

Learning Goal:	Describe how, when the environment changes, differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations.	
Standard(s):	SC.5.L.15.1 Depth of Knowledge: Level 3: Strategic Thinking & Complex Reasoning	
Scale		Sample Progress Monitoring Assessment Activities
4.0	In addition to 3.0, in-depth inferences and applications that go beyond what was taught the student is able to: (I can identify and explain ways that plants/animals can be affected by changes in their habitats, such as lack of food or water, disease, or reduced space along with possible results of these environmental changes.)	Students should be able to: Explain the connection of different sites to the Greater Everglades Ecosystem, create and employ the use of critical thinking strategies, high level questioning, scientific technique and analysis, use reading strategies to understand the information presented in text and use writing strategies to communicate information/data collected. CPalms Activity Survival of the Fittest Resource ID#: 27424 Additional resources: http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/changes-ecosystems.htm
3.0 Target	The student understands and is able to: (I can describe how differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations when there are changes in the environment.) The student exhibits no major errors or omissions.	Students should be able to: describe how the needs of living things are met through their environment through this activity: I will Survive! Resource ID#: 31248 This Engineering Design Challenge is intended to help fifth grade students apply the concept of how changes in an ecosystem can affect the survival of an animal species.
2.0	There are no major errors or omission regarding the simpler details and processes; however, the student exhibits major errors or omissions regarding the more complex ideas and processes. The student is able to: (I can recognize ways that plants and animals can be affected by changes in their habitats, such as lack of food or water.)	Students should be able to tell how an invasive species can change an environment and how organisms along with humans can change an ecosystem. Resource ID#: 27626 Web of Life : In this game the students will represent plants/animals in a forest habitat. In a circle they will connect themselves to each other using string to represent their dependence on each other. The string forms a web of life then they experience an invasive species entering their habitat.
1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes the student is able to: (I can with help recognize what happens when plants don't get water.)	Learn about how plants grow by experimenting with this interactive science activity. Using heat & water, see if you can make the plant grow to a healthy size. http://www.sciencekids.co.nz/gamesactivities/plantsgrow.html