



## Massachusetts Science and Technology/Engineering Standards

### Plant Survival and Adaptation Grade 3

Explore plant adaptations to various habitats in the Garden. Learn about how plants have adapted to the non-living and other living aspects of their habitats, explore plant fossils, and see a few living fossils in the Garden.

- 3-LS3-2 Distinguish between inherited characteristics and those characteristics that result from a direct interaction with the environment. Give examples of characteristics of living organisms that are influenced by both inheritance and the environment.
- 3-LS4-1 Use fossils to describe types of organisms and their environments that existed long ago and compare those to living organisms and their environments. Recognize that most kinds of plants and animals that once lived on Earth are no longer found anywhere.
- 3-LS4-2 Use evidence to construct an explanation for how the variations in characteristics among individuals within the same species may provide advantages to these individuals in their survival and reproduction.
- 3-LS4-3 Construct an argument with evidence that in a particular environment some organisms can survive well, some survive less well, and some cannot survive.
- 3-LS4-4 Analyze and interpret given data about changes in a habitat and describe how the changes may affect the ability of organisms that live in that habitat to survive and reproduce.