

**Sacramento Audubon Society**  
**Birds of Sacramento Powerpoint Presentation for Grade 6**  
**(Approx. 45 minutes long, including interaction with students)**

Utilizes pictures and calls (songs) of birds to help identify common birds

Describes size, shape and colors of plumage.

Describes bill shapes and relationship to diet.

Describes habitat and relationship to plants and insects.

Describes specific behaviors with relationship to nesting and breeding.

Based on the following

**Next Generation Science Standards for California Public Schools**

**Grade Six – Integrated Course**

MS-LS1 From Molecules to Organisms: Structures and Processes

Students who demonstrate understanding can:

MS-LS1-4. **Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.** [Clarification Statement: Examples of behaviors that affect the probability of animal reproduction could include nest building to protect young from cold, herding of animals to protect young from predators, and vocalization of animals and colorful plumage to attract mates for breeding..]

MS-LS1-5. **Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.** [Clarification Statement: Examples of local environmental conditions could include availability of food, light, space, and water..]

**Disciplinary Core Idea**

LS1.B: Growth and Development of Organisms

- Animals engage in characteristic behaviors that increase the odds of reproduction. (MS-LS1-4)
- Genetic factors as well as local conditions affect the growth of the adult animal. (MS-LS1-5)

**Cross-cutting Concepts**

- Cause and effect relationships may be used to predict phenomena in natural systems. (MS-LS1-8)
- Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the relationships among its parts, therefore complex natural and designed structures/systems can be analyzed to determine how they function.