



JBSWC: *Intro to Ornithology grades 4-5*

Introduction: Students will spend at least 50% of instruction time immersed in the JBS wetland, with a guided boardwalk tour, learning about how various traits help birds survive their environments, their ability to migrate, and how this artificial wetland provides habitat for hundreds of bird species.

TEKS	Learning & Skill Objectives
<p>Organisms & Environment (adopted 2021)</p> <ul style="list-style-type: none"> • Students understand how organisms interact. • Students build on their understanding of food chains and explore food webs where they describe the flow of energy and the role of producers, consumers, and decomposers. <p>Adaptations & Traits (adopted 2021)</p> <ul style="list-style-type: none"> • The student knows that organisms undergo similar life processes and have structures and behaviors that help them survive within their environments 	<p>Learning</p> <ul style="list-style-type: none"> • Specialized traits allow for survival in particular environments • unique life plans of birds (migration) require international protections • global relatedness of species <p>Skills</p> <ul style="list-style-type: none"> • Identification of animal traits and characteristics • Lab learning: Owl Pellet Dissection

Summary:

- **Anatomy** - Students will observe and identify traits (differences in feather types, feet, and beak types) and adaptations that enable animals to survive in their environments.
- **Physiology** - Students will understand the important role of birds in their ecosystem, students understand the relationship between form and function
- **Behavior** - Students will be able to understand that migration is a behavioral adaptation based on food sources and nesting sites, students will understand variations in feeding styles and habitat preference
- **Ecology** - Students will be able to describe the Central Flyway and understand it's location and relationship to migration and bird reproduction/habitat on an international scale

