



### **Week 1: What Makes a Bird a Bird?**

Classification of birds within the animal kingdom  
Key characteristics that define birds  
The role of birds in ecosystems

### **Week 2: Built for the Sky**

Adaptations in skeletal structure for flight  
Digestive system (crop, gizzard) & respiratory system  
How flight affects physiology

### **Week 3: Feathered for Flight**

Different types of feathers and their functions  
The molting process  
Waterproofing and color significance

### **Week 4: Beaks, Feet, and Bird Tools**

Beak and foot adaptations for feeding and perching  
Hunting and digging tools that birds use  
Specialized behaviors linked to beaks and feet

### **Week 5: Birds that Talk and Dance**

Differences between birdsong and calls  
Mating displays and territorial behavior  
Flocking behavior and social interactions

### **Week 6: Wings Across the World**

How wing shapes affect flight and aerodynamics  
Different types of bird migration  
Why birds migrate and how they navigate

**Week 7: Home Sweet Nest**

Types of bird nests and how they're built  
Nesting materials and location preferences  
Parental care and raising young birds

**Week 8: Exam****Week 9: Waders, Swimmers, and Shoreline Stalkers**

Characteristics of water birds and shorebirds  
Adaptations for swimming, wading, and diving  
Differences between water birds and shorebirds

**Week 10: Fierce Fliers of the Sky & Night**

Hunting strategies of birds of prey and nocturnal hunters  
Specialized eyesight and talons  
Fast flyers vs. ambush hunters; silent flight

**Week 11: Birds that Sing**

Why songbirds make up 60% of bird species  
Communication through songs and calls  
Mimicry and flocking behavior  
Backyard birds and human adaptation

**Week 12: From High-Flyers to Fast Peckers**

Beak and tongue adaptations for feeding  
Woodpecker drumming and shock-absorbing skulls  
Hummingbird hovering and energy demands  
Swifts and their unique lifestyles

**Week 13: Birds with Big Brains**

Parrots' mimicry and problem-solving abilities  
Crows and ravens using tools  
Pigeons' homing skills and survival tactics

**Week 14: Flightless Wonders**

Why certain birds lost flight and how they adapt

Penguins, ostriches, kiwis, and cassowaries

Unique survival strategies in extreme environments

**Week 15: Fading Feathers: Extinct Birds and on the Brink**

Famous extinct birds and their stories

Endangered species and conservation efforts

Successes and challenges in bird conservation

**Week 16: Exam**