**Native Birds Diorama Project**

 Throughout this unit you will be familiarizing yourself with native bird species of Iowa. When completed, you should be able to better identify common songbirds, woodpeckers, upland game birds, birds of prey, spring birds, waterfowl, and wading & shorebirds native to Iowa. For this project, you will examine a native bird species to Iowa. You will create a Tri-Fold poster pertaining to biostatistics, interesting facts, habitat, behavior, reproduction, and vocalization of the native bird species. In addition, you will also create a replica of the bird’s nest, and a video or audio component illustrating identification features of the bird. This project is worth 150 points. The project will be due in two weeks and be presented in a “Science Fair” format in class. The following criteria must be thoroughly fulfilled :

 **1. Poster Title** : (6 Points) - *CENTER PANEL*

 - Bird Common Name, Bird Scientific Name

 - Include a color picture

 **2. Biostatistics**: (14 points) - *CENTER PANEL*

 - Include the following :

 - Length

 - Weight

 - Wingspan

 - Color (Male & Female)

 - Distinctive Markings

 - Unique Features

 - Include a color picture

 **3. Interesting Facts** : (14 points) - *CENTER PANEL*

 - Include 12 additional facts pertaining to the native bird species

 - Include a color picture

 **3. Habitat** : (14 points) - *LEFT PANEL*

 - Include the following :

 - Habitat (ecosystem requirements)

 - Range (where it lives geographically)

 - Diet (what does it feed on)

 - Predator/Prey Relationships (what is its niche in its habitat)

 - Conservation Status (abundant, special concern, threatened, endangered, etc.)

 - Human Influence (response to human activity)

 - Include a picture

 **4. Behavior** : (14 points) - *LEFT PANEL*

 - Include 6 identifying behaviors unique to the bird species

 - Include a color picture

 **5. Reproduction** : (14 points) - *RIGHT PANEL*

 - Include the following :

 - Mating Season

 - Nests (type, components, locations)

 - Mating Rituals (monogamous, polygamous, etc.)

 - Eggs (description, average number, incubation length)

 - Fledging (stage between hatching and flight)

 - Average length of age

 - Include a color picture

 **6. Vocalizations** : (14 points) - *RIGHT PANEL*

 - Include 6 identifying characteristics of the bird’s vocalization

 (Include the phonetic pronunciation of the bird call)

 - Include a color picture

 **8. Nest Replica** : (20 points)

 - Make a replica of the native bird’s nest with household materials

 - Include egg replicas - (Use fake or hard-boiled only)

 **9. Video or Audio Component** : (10 points)

 - Imbed an informative video (1-2 minutes) or vocalization video into a PowerPoint slide

 - Video will be on display during presentations (run on a loop)

 **8. Literature Cited** : (10 points) - BACK OF POSTER

 - Cite a minimum of 5 websites or books used during your research - include video link

 - Don’t cite Search Engines (For example : [www.wikipedia.org](http://www.wikipedia.org))

 **9. Appearance** : (20 points)

 - Organize!, Organize!, Organize!

 - Include color borders for information typed out

 - Add extra color pictures to make it more appealing

 - Bullet information with “dot-jots” (DO NOT use large paragraphs or long sentences)

 - Avoid “dead space” - Give the slides symmetry