

## **Fourth Grade Programs**

### **Owls**

We will look into the internal and external structures that owls have to help them hunt at night. We will then model how their hearing senses are also better than humans for hunting at night. Lastly, we will dissect owl pellets. Owls cannot digest the bones, fur or feathers of their prey, so they cough up a pellet with these contents. Your students will identify the bones they find in the pellet and match them to a chart to decide if they have a rodent, mole, shrew or bird. They will also be able to determine how many animals their owl ate. Standards: NGSS 4LS1-1 and 4LS1-2

### **Enviroscape (2<sup>nd</sup>-4<sup>th</sup>)**

Discover how landscapes and land use affects water bodies through this interactive model. We will model soil erosion and flooding, and solutions to those problems. Standards: NGSS 4-ESS2-2 4-ESS3-2

### **Fantastic Fossils(3<sup>rd</sup>-4<sup>th</sup>)**

Discover how Iowa's environment has changed over time through fossils from different time periods. Learn what the rock layers and fossil types can tell us. Standards: NGSS 4-ESS1-1

### **Water Erosion Field Trip**

Explore the water systems around Moorehead Park and figure out where it is eroding fastest and why. We will then compare and analyze our findings with a topographic map of Moorehead Park. Standards: NGSS 4-ESS2-1 and 4ESS2-2