



## High School Programs

Envirothon: Aquatic

Envirothon: Wildlife

History- Sioux County History

Invasive Species

Poachers- Animals Beware Poachers Out There

Wildlife Population Study

\*Check out “Recreational Opportunities” for more activities for this grade!

## Program Description

### **Envirothon: Aquatic (HS)**

Preparing our Envirothon teams for the aquatic portion of the competition.

**Standards:** Core/NGSS HS-LS2-7, HS-ESS2-5\* and HS-ESS3-4

**Offered:** Anytime

**Time:** 60 min

### **Envirothon: Wildlife (HS)**

Preparing our Envirothon teams for the wildlife portion of the competition.

**Standards:** Core/NGSS HS-LS2-7\* and HS-LS4-6\*

**Offered:** Anytime

**Time:** 60 min

### **History- Sioux County History (3<sup>rd</sup> grade+, PP, SC)**

Ever wonder what Sioux County was like before European settlement? Or what early life looked like for those who came to settle it? This program can cover pre-settlement as well as early settlement history depending on time. It gives the audience a glance back in time as while connecting how our past has shaped the county to this day.

**Standards:** Core-Social Studies: SS.3.23\*, SS.4.8\*, SS.4.21\*, SS.5.22\*, SS.6.22, SS.7.18\*, SS.8.15\*

**Offered:** Anytime

**Time:** 30-45+ min

### **Invasive Species (MS-HS)**

Invasive species are all around us. Let’s take the time to discuss what an invasive species is, how it gets here and how they affect ecosystems. We will cover invasive species in Iowa and students will participate in a game to learn how the invasive species effects the ecosystem it’s in.

**Standards:** Core/NGSS MS-LS2-1, \*MS-LS2-4, \*HS-LS2-2, \*HS-LS2-7 and \*HS-LS4-5

**Offered:** Anytime

**Time:** 30-45 min

### **Animals Beware, Poachers Out There! (MS-HS)**

Can your class stop the poachers before it is too late? Let us find out in this interactive game! We will discuss the effects of poaching and the reasons behind it and also discuss possible solutions to these problems.

**Standards:** Core/NGSS SS.7.19, \*MS-ESS3-3, MS-ESS3-4, \*HS-LS2-7 and \*HS-LS4-6

**Offered:** Anytime

**Time:** 45 min at the minimum

### **Wildlife Population Study (MS-HS)**

Ever wonder how biologists come up with population numbers for a specific species? In this mock-study, your students will learn and apply the different study methods used by biologist and calculate the population size of a “newly discovered species”! Program includes discussion on genetic variation, natural selection and impacts of environmental change(s) on a given populations.

**Standards:** Core/NGSS MS-LS2-1, MS-LS2-2\*, MS-LS2-4, MS-LS4-4, HS-LS2-2, HS4-4, HS-LS4-5\*, 6.EE.A.2, 7.NS.A.3 and 7.EE.B.3

**Offered:** Fall/Spring

**Time:** 30-45 minutes