



3rd Grade Programs

The Buzz about Bees

Birds of Prey

Enviroscape

Food Web

History- Sioux County History

Insects vs Spiders

Lewis and Clark Expeditions

Life Cycle

Live Animal Program

Maple Tree Tapping

Migration- Obstacles of Migration

Monarch Watch

Move West

Pollinators and Flowers

Reptiles and Amphibians

Rocks

Seeds

Solar System

Star Lab

Trees

Tree- What's that Tree (Indoor/ Outdoor)

*Check out "Recreational Opportunities" for more activities for this grade!

Program Description

The Buzz about Bees (3rd-4th)

Students will learn about the life cycle of a bee, colony behavior and roles, and adaptations that help them survive.

Standards: Core/NGSS 3-LS1-1, 3-LS2-1 and 4-LS1-1

Offered: Anytime

Time: 30 min

Birds of Prey (Pre-K, 2nd-4th and MS)

Learn about the adaptations and human impacts of birds of prey in our area. We will discuss owls, hawks, eagles and meet a live falcon.

Standards: Objective 25; Core/NGSS K-ESS3-3, 2-LS4-1, 3-LS4-2, 4-LS1-1 and MS-LS2-1*

Offered: Anytime

Time: 30-45 min

Enviroscape (3rd-5th)

This interactive model represents any small town in Sioux County and demonstrates pollution sources. Your students will decide what kinds of things the town can do to prevent the local pond from being polluted by chemicals, erosion etc.

Standards: Core 3-ESS3-1*, SS.3.10, 4-ESS2-1, SS.4.9, SS.4.18*, 5-ESS2-1, 5-ESS3-1 and 3-5 ETS1-2

Offered: Anytime

Time: 40-60 min

Food Web (3rd and 5th)

Your class will experience how a food web works within a habitat. Let us turn your class into a working food web to understand the complexity of the topic. Live animals may be included if time allows.

Standards: Core/NGSS 3-LS4-4 and 5-LS1-1

Offered: Anytime

Time: 30-45 min

History- Sioux County History (3rd 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*, SS4.21*, SS.5.22*, SS.6.22, SS.7.18*, SS.8.15*

Offered: Anytime

Time: 30-45+ min

Insects vs Spiders (3rd-4th)

Learn the unique characteristics between insects and spiders using fun interactive costumes!

Standards: Core/NGSS 3-LS3-1 and *4-LS1-1

Offered: Anytime

Time: 30 min

Lewis and Clark Expedition (3rd+)

This PowerPoint program takes your students on the expedition from St. Louis to the Pacific and back. Program involves volunteers from your class to play as characters in the expedition.

Standards: Program adjusted to fit/highlight grade's specific Social Studies Core Standards—See Grade's Social Studies Chart at end of document for specifics.

Offered: Anytime

Time: 45 min

Life Cycle (3rd)

Metamorphosis is a common term when we talk about life cycles, but did you know there is a difference between complete metamorphosis, incomplete metamorphosis and just plain metamorphosis? What about simple life cycles? Through this interactive activity your class will learn them all!

Standards: Core/NGSS 3-LS1-1 and 3-LS3-1

Offered: Anytime

Time: 30-45 min

Live Animal Program (K-4th)

Our live animal program can be used to talk about animal groups/classification, what all animal needs to survive, adaptations, habitats and ecosystems. We currently have a snake, turtle, salamander and falcon.

Standards: Core/NGSS K-LS1-1, *K-Ess3-1, 1-LS3-1, *2-PS1-1, 3-LS1-1, 4-LS1-1 and 4-LS1-2

Offered: Anytime

Time: 45 min ideally depending on number of animals

Maple Tree Tapping (K+)

Learn how to make maple syrup, a practice the pioneers perfected! We will learn the biology of the tree, eat real maple syrup and tap a real tree, season and weather conditions permitting! (Spring) An indoor variation is available out of season or when conditions are not cooperative.

Standards: Core K-ESS2-2, Program adjusted to fit/highlight grade's specific Social Studies Core Standards—See Grade's Social Studies Chart at end of document for specifics.

Offered: To go outside: Feb-March only, indoor variation- anytime

Time: 30-45 min

Migration-Obstacles of Migration (3rd-4th)

All animals have adaptation, like migration, that helps them survive certain times of year. Let's discover where they go, why they go, and what they face along the way. We will finish up with a great activity to see if your class can make it through all the obstacles of migration! Game can be played outside or in a gym.

Standards: Core/NGSS 3-LS2-1*, 3-LS4-3, 4-LS1-1 and 4-LS1-2

Offered: Anytime

Time: 40 min

Monarch Watch (2nd-5th, MS)

Your students can join in a North America study aimed at providing information for scientists who want to save the monarch butterfly. We will discuss the biology of the monarch, migration, and tag and release them outdoors. Information will be recorded and we will let you know if your monarch is recovered in Mexico!

Standards: Core/NGSS 2-LS2-2*, 3-LS1-1*, 3-LS2-1, 3-LS4-3, 3-LS4-4, 4-LS1-1, 4-LS1-2, 5-ESS3-1 and MS-LS1-4

Offered: August-September only

Time: 30-60 min

Move West (3rd+))

Let us turn your class into pioneer families traveling West. We will discuss the history of the time, hardships they faced and the lifestyle this trip demanded. This activity involves small group decision making, cooperation and mathematic skills- add 2 digit numbers. By the end of our activity, we will be able to determine who made the complete journey West, who had to stop half way or who gave up and turned around.

Standards: Core SS.3.16, SS.3.21, SS.3.27 and 3.NBT.A.2 Program can be adjusted to fit/highlight other grade’s specific Social Studies Core Standards–See Grade’s Social Studies Chart at end of document for specifics.

Offered: Anytime

Time: 30-45 min

Pollinators and Flowers (K-5th)

When you see a bee buzzing around you, what is your first thought? Have you considered the important role that they play pollinating flowering plants? Come discover more about the process of pollination, different pollinators and the parts of a flowering plant.

Standards: Core/NGSS K-ESS3-1, 1-LS1-2*, 2-LS2-2, 3-LS1-1, 4-LS1-1 and 5-PS3-1

Offered: Anytime

Time: 60 min

Reptiles and Amphibians (K-4th)

Two of the animal groups that are often confused with each other are reptiles and amphibians. We will explore the traits of each group, and use boxes to create a visual representation of which animals are reptiles and which are amphibians. We will conclude with live reptiles and amphibians.

Standards: Core/NGSS K-LS1-1, *K-Ess3-1, 1-LS3-1, *2-PS1-1, 3-LS1-1, 4-LS1-1 and 4-LS1-2

Offered: Anytime

Time: 30-45

Rocks (2nd-4th, MS)

Enter the world of rocks, learn how to group them into three groups, see a fossil and “make” rocks that you can eat!

Standards: Core/NGSS 2-PS1-1, 2-PS1-4*, 2-ESS1-1*, 3-LS4-1*, 4-ESS1-1* and MS-ESS1-4*

Offered: Anytime

Time: 30 min, 40-45 minutes options available too for more

Seeds (3rd)

Seeds are the beginning of life. Your county naturalist will bring in seed examples found locally and discuss the ways in which they are dispersed. Then your class will go on a seed hunt outdoors to find their own seeds. Prompting questions will be asked about each seed.

Standards: Core/NGSS 3-LS1-1, 3-LS3-1, 3-LS4-1,

Offered: Anytime

Time: 60 min

Solar System (1st, 3rd and 5th)

We will act out the solar system through members of the audience, learn the order of the planets, the ancient Roman story behind them, and if time, play a game to practice solar system facts.

Standards: Core/NGSS 1-ESS1-1*, 3-PS2-1*, 3-PS2-2, 3-LS4-3*, 5-ESS1-1* and 5-ESS1-2

Offered: Anytime

Time: 40 min

Star Lab (TK+)

This can be checked out from North West AEA office and deliver to your school. We come in set it up and give your students a star program they will never forget! Program is adjusted to reflect learning stages.

Standards: Life Skill, Core/NGSS 1-ESS1-1*, 3-PS2-1*, 3-PS2-2, 3-LS4-3*, 5-ESS1-1* and 5-ESS1-2

Offered: Anytime- typically should make reservation at least 2 weeks in advance.

Time: 20-45 min

Trees (3rd-4th)

Your class will learn how to identify trees by shape, bark, leaves, location and branching using real tree pieces. Examine trees rings and make a human tree.

Standards: Core/NGSS 3-LS3-1 and 4-LS1-1

Offered: Anytime

Time: 40 min

What's that Tree (Indoor and Outdoor variation) (3rd-4th)

Did you know trees have families? By analyzing the physical properties of a tree you are able to identify what type of tree you have as well as what family it belongs too. This interactive program will help you become a pro at identifying trees!

Standards: Core/NGSS 3-LS3-1, 3-LS3-2* and 4-LS1-1

Offered: Outdoor program- fall, Indoor program- anytime

Time: 45 min, longer options available too

*Standards that have an asterisk next to them indicate SCCB's program is related to the concept covered by the standard but may not include the exact format suggested by the standard. For example, if it says to conduct an investigation, we may just provide information/recourses on what you are going to investigate or may complete a mini investigation in our program but not a full fledge investigation. Teachers please use these opportunities to tie what we bring into your classroom to what you have been teaching. OR plan a field trip with us in which we can appropriate more time to the desired activity!

Core: Science/ Next Generation Science Standards and Life Skills	3-PS-2				3-LS1	3-LS2	3-LS3		3-LS4				3-ESS2		3-ESS3	3-5-ETS1			Life Skill	Other Study Area
	3-PS2-1	3-PS2-2	3-PS2-3	3-PS2-4	3-LS1-1	3-LS2-1	3-LS3-1	3-LS3-2	3-LS4-1	3-LS4-2	3-LS4-3	3-LS4-4	3-ESS2-1	3-ESS2-2	3-ESS3-1	3-5-ETS1-1	3-5-ETS1-2	3-5-ETS1-3		
The Buzz about Bees					X	X														
Birds of Prey											X									
Enviroscape															X*					X
Food Web													X							
History- Sioux County History																				X
Insects vs Spiders								X												
Lewis and Clark Expeditions																				X
Life Cycle					X		X													
Live Animal Program					X															
Maple Tree Tapping																				X
Migration- Obstacles of Migration							X*				X									
Monarch Watch					X*	X					X*	X								
Move West																				X
Pollinators and Flowers					X															
Reptiles and Amphibians					X															
Rocks									X*											
Seeds					X		X		X											
Solar System	X*	X									X*									
Star Lab	X*	X									X*									X
Trees							X													
Tree- What's that Tree (Indoors/Outdoors)							X	X*												

K-12 Iowa Core in Social Studies 3rd Grade: Immigration and Migration	Behavioral Sciences		Civics/Government		Economics					Financial Literacy			Geography			History					Other Study Area	
	SS.3.8	SS.3.9	SS.3.10	SS.3.11	SS.3.12	SS.3.13	SS.3.14	SS.3.15	SS.3.16	SS.3.17	SS.3.18	SS.3.19	SS.3.20	SS.3.21	SS.3.22	SS.3.23	SS.3.24	SS.3.25	SS.3.26	SS.3.27		SS.1.23
The Buzz about Bees																						X
Birds of Prey																						X
Enviroscape			X																			X
Food Web																						X
History- Sioux County History															X*							
Insects vs Spiders																						X
Lewis and Clark Expeditions					X*		X*				X*	X										
Life Cycle																						X
Live Animal Program																						X
Maple Tree Tapping						X																
Migration- Obstacles of Migration																						X
Monarch Watch																						X
Move West								X					X						X			
Pollinators and Flowers																						X
Reptiles and Amphibians																						X
Rocks																						X
Seeds																						X
Solar System																						X
Star Lab																						X
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Tree- What's that Tree (Indoors/Outdoors)																						X