



3rd Grade River of Life Classroom Teacher Information

Programs are subject to change based on weather, temperature, road conditions, public health and safety concerns.

Synopsis

In this hands-on investigation, students will observe, collect, identify, and illustrate macroinvertebrates from the Logan River near the Stokes Nature Center. They will further study the watershed and engage in argument about why certain organisms are more prevalent than others.

Students will explore watershed health and the systems in place in the study area habitat. They will then discuss potential changes in the environment and what impact those changes might have. Each student will be given a program specific field guide to record their observations and thinking during the program. The field guide may serve as a tool for students to continue their learning in SEEd Strand 3.2.

Objectives - Students will:

- Participate in group & individual exploration of nature
- Make close observations
- Collect and identify macroinvertebrates using appropriate tools
- Graph data
- Develop an understanding of watersheds and pollution
- Draw conclusions about stream health
- Consider the impacts of potential changes in the environment on plants & animals living there
- Propose solutions to negative impacts

Length of Program: 2 hours

Season(s) Offered: Fall or Spring

Location: Stokes Nature Center

Program Fee: \$6 per student

Logistics:

- The school bus should drop you off at the Stokes Nature Center trailhead of the River Trail in Logan Canyon (on the south shoulder of the highway).
- The program will begin and end at the Stokes Nature Center. Please allow 7-10 minutes for your class to walk the trail at the beginning and the end of the day.
- Please have a plan for dividing your group in half, each smaller group should include a teacher or staff from your school.
- Students should wear comfortable clothing that may get dirty and/or wet.
- We will be outside for the entirety of this program, dressing in layers is advised.
- Closed toe shoes are appropriate. Please, **no flip flops**.
- All students and teachers should have a face covering available at all times.
- Students should wear visible name tags (packing tape over a name tag keeps them from falling off).
- Please bring one adult per five students. There is no charge for teachers or adult chaperones.
- The Nature Center will be open for students to use the bathroom if necessary. They will need to be supervised by an adult from your school when doing so.
- Water fountains are not available at the Nature Center, students are welcome to bring a full water bottle.

Curriculum Connections

SEEd Strand 3.2

Science and Engineering Practices	Crosscutting Concepts	Disciplinary Core Ideas
Asking Questions or Defining Problems Constructing Explanations	Patterns Systems	Ecosystems Biological Evolution

Additional Utah Core Curriculum Connections

English Language Arts	RI.3.7 SL.3.1
Mathematics	3.MD.3
Physical Education	3.2 3.4
Social Emotional Learning CASEL Competencies	Self-Awareness, Self-Management, Social-Awareness, Relationship Skills, Responsible Decision-Making



3rd Grade Snowshoeing and the Geography of our Community Classroom Teacher Information

Programs are subject to change based on weather, temperature, road conditions, public health and safety concerns.

Synopsis:

This student centered program combines a fun and popular form of winter recreation with opportunities to learn about winter flora and fauna; as well as learning about the relationships between climate, natural resources and other geographic characteristics and our community's cultural development.

Students will:

- Participate in outdoor exploration and recreation
- Consider how the geography of this area has influenced the development of our community
- Observe flora and fauna

Length of Program: 2 hours

Location: Green Canyon or Murray Farm Trail (depending on conditions)

Season Offered: Winter

Program Fee: \$9 per student (includes snowshoe rental)

Logistics:

- Please plan time to load the bus at your school and drive to the field site.
- Confirm the location of your field experience with the driver before leaving your school.
- Please arrive at the site 5 minutes before your program starts. Programs will begin and end on time.
- Students should wear comfortable clothing that may get dirty and/or wet.
- We will be outside for the entirety of this program, dressing in layers is advised.
- In order for the snowshoes to fit correctly, students should wear snow boots. Please, **no gym shoes.**
- We have a limited number of boots, coats, and gloves to loan your students if they need them. Please request these a few days in advance of your program.
- Students should wear visible name tags (packing tape over a name tag keeps them from falling off).
- Please bring one adult per five students (there is no charge for teachers or chaperones).

Curriculum Connections

SEEd Standards 3.1, 3.2

Science and Engineering Practices	Crosscutting Concepts	Disciplinary Core Ideas
Asking questions Constructing explanations	Patterns	Earth's Systems Biological Evolution

Additional Utah Core Curriculum Connections

Subject	Standard	Objective
English Language Arts	Writing Std 8 Speaking and Listening Std 1	Recall relevant information from experiences. Engage effectively in a range of collaborative discussions with diverse partners <i>on grade 3 topics</i> and texts, building on others' ideas and expressing their own clearly.
Social Studies	3.1 3.2	Understand how geography influences community location and development. Understand cultural factors that shape a community.
PE	Strands 1-5	Movement and cooperation
SEL	CASEL Competencies	Self-Awareness, Self-Management, Social-Awareness, Relationship Skills, Responsible Decision-Making