



## **LANDFORM INVESTIGATORS (LFI) NATURE LIVE! INFORMATION**

We would like you to set up a test session with us before your first Nature LIVE! session so we can test links, visual, and audio within your classroom.

### **LFI PROGRAM OVERVIEW:**

In this series of four sessions offered individually, fourth graders will be introduced to topography and map reading skills in relation to the landforms around in the first session. The three following sessions will each focus on one or more landforms and how the earth's surface is always changing.

(Geography 4.9, ESS.4.1.2, ESS.4.2.1, ESS.4.3.1, ESS.4.3.2)

### **SESSION 1: INTRO TO TOPOGRAPHY** (OFFERED IN SEPTEMBER, OCTOBER & FEBRUARY)

During this 20 minute online adventure, your naturalists will lead the session from one of our many Miami County Parks! Together with your students they will investigate contour lines on topographical maps and using their own ball point pen even create a spectacular mountain range on their knuckles. The students will learn how to read these lines and decipher what landforms they can portray. Since this is an introduction session, not required before the others, but recommended as a prerequisite, please contact us if you would like to schedule it outside of the times offered. This session also has a tailored review quiz for your students and the Weathering, Erosion, Deposition SCIENCE JOURNEYS material will support the same standards. Click the session title above to book your session with a naturalist!

(Geography 4.9, ESS.4.1.2,)

### **SESSION 2: CAVE AND FALLS** (OFFERED IN NOVEMBER, DECEMBER & FEBRUARY)

During this 20 minute online adventure, your naturalists will lead the session from one of our many Miami County Parks! Together your students will be introduced to the concepts of weathering, erosion, deposition and the roll these play in forming landforms. They will get a chance to explore a cave and marvel at our 37' waterfall, comparing these landforms to the topography from the map of this park. This session also has a tailored review quiz for your students and the Weathering, Erosion, Deposition SCIENCE JOURNEYS material will support the same standards. Click the session title above to book your session with a naturalist!

(Geography 4.9, ESS.4.1.2, ESS.4.2.1, ESS.4.3.1, ESS.4.3.2)

### **SESSION 3: HILL AND RIVER VALLEY** (OFFERED IN NOVEMBER, DECEMBER & FEBRUARY)

During this 20 minute online adventure, your naturalists will lead the session from one of our many Miami County Parks! Together your students will investigate gravitational force and how this is so important to the forming of both a hill and river valley. We will review our key concepts from the past two sessions of topography, weathering, erosion, and deposition, and we will experiment with gravity using objects on hand at school or home. This session also has a tailored review quiz for your students and the Weathering, Erosion, Deposition SCIENCE JOURNEYS material will support the same standards. Click the session title above to book your session with a naturalist!

(Geography 4.9, ESS.4.1.2, ESS.4.2.1, ESS.4.3.1, ESS.4.3.2)

### **SESSION 4: PLAINS AND MORAINES** (OFFERED IN JANUARY, FEBRUARY & MARCH)

During this 20 minute online adventure, your naturalists will lead the session from one of our many Miami County Parks! Together with your students we will use our bodies individually to demonstrate how plains can form, reinforcing the weathering, erosion, and deposition occurrences. Also getting up close and personal with what it takes to form a moraine! This session also has a tailored review quiz for your students and the Weathering, Erosion, Deposition SCIENCE JOURNEYS material will support the same standards. Click the session title above to book your session with a naturalist!

(Geography 4.9, ESS.4.1.2, ESS.4.2.1, ESS.4.3.1, ESS.4.3.2)