

Climate Change: Seeing, Understanding, and Teaching Denali National Park and Preserve, Alaska

Instructors:

Dave Shirokauer & Steve Arthur National Park Service

Sarah Bartholow Arctic Research Consortium of the United States

Bruce Taterka PolarTREC Alumni Teacher, Guest Instructor

Sonia Kumar MSLC Guide

Day One – Monday, 28 July

1:00pm	<p>Meet at MSLC for registration</p> <p><i>Lunch on your own</i></p> <p>Welcome</p>	<p>All participants</p> <p>MSLC Guide</p>
	<p>Plan of the Day & Introductions</p>	<p>Sarah Bartholow ARCUS</p>
	<p>Denali and Climate Change Basics</p>	<p>Dave Shirokauer NPS</p>
	<p>Activity: Your Big Questions</p>	<p>Sarah Bartholow ARCUS</p>
Break		
	<p>Leave for Teklanika Field Camp</p> <p>Weather and Time Permitting we will stop along the road.</p>	
	<p>Content:</p> <p>Introduction to Landscape Change</p>	<p>Dave Shirokauer NPS</p>
	<p>Repeat Photography Project</p>	<p>Sarah Bartholow ARCUS</p>
	<p>Arrive at Teklanika Field Camp</p> <ul style="list-style-type: none"> • Camp Orientation • Unload & Set up tent cabins 	<p>MSLC Guide All</p>
Dinner		
	<p>Evening Activity</p> <ul style="list-style-type: none"> • Discussion: Climate Change in Classrooms • The PolarTREC Program • Begin Resource Review • Daily Evaluation 	<p>Bruce Taterka PolarTREC Teacher</p> <p>Sarah Bartholow ARCUS</p>

Climate Change: Seeing, Understanding, and Teaching Denali National Park and Preserve, Alaska

Day Two: Tuesday, 29 July

Today we will gather our packs after breakfast and travel within the Park until dinner. Bring raingear, layers, lunch, snacks, and water.

7:00am Coffee & Breakfast
(Pack Lunch for the field)

9:00am **Field Excursion – Travel West** All Day

Weather and Time Permitting:
This will be our big travel day in the park. Some short walks and rest breaks will be included.

Content: Dave Shirokauer
NPS

- Climate Change and Physical Sciences

Connect to Classrooms: Bruce Taterka
PolarTREC

- Climate Change and Physical Sciences

5:00pm **Return to Camp**

- Rest & Resource Review
- Walk to Teklanika River

Dinner

Evening Activity

Activity: Bruce Taterka
PolarTREC

- Tracking Change

Daily Evaluation

Climate Change: Seeing, Understanding, and Teaching
Denali National Park and Preserve, Alaska

Day Three: Wednesday, 30 July

Today we will gather our packs after breakfast and travel within the Park until dinner. Bring raingear, layers, lunch, snacks, and water.

7:00am Coffee & Breakfast
(Pack Lunch for the field)

9:00am **Field Excursion – Hiking**
Weather and Time Permitting: This will be our day to get out and do some moderate hiking.

Content:

- Climate Change and Ecological Sciences

Steve Arthur
NPS

Connect to Classrooms:

- Natural Connections & the Human Relationship to Climate Change

Sarah Bartholow
ARCUS

5:00pm **Return to Camp**

- Rest & Resource Review
- Course Journals/Lesson Templates

Dinner

Evening Activity

All

Discussion:

Sarah Bartholow
ARCUS

- Six Americas Study

Activity:

- Skeptics Scenarios

Daily Evaluation/Interviews

Angela Larson
Goldstream Group

Climate Change: Seeing, Understanding, and Teaching
Denali National Park and Preserve, Alaska

Day Four: Thursday, 31 July

Before leaving camp today, everything will be packed and we will not return.

7:00am Coffee & Breakfast

8:30am **Pack up Camp** All

Interviews Angela Larson
Goldstream Group

Resource Review Presentation All participants

- Each Participant will present their review of a resource (5 minutes each)

Field Excursion – Heading East

Weather and Time Permitting: Will head east to the park entrance and include hikes and breaks.

Content: Steve Arthur
Climate Change in our National Parks NPS

Lunch

Activity: Postcards & Solo Sit Sarah Bartholow
ARCUS

Individual Reflections All Participants

Closing

Take Away Message in Science Steve Arthur
NPS

Take Away Message in Education Sarah Bartholow
ARCUS
&
Bruce Taterka
PolarTREC

Evaluations and Journals

4:00pm **Drop Off at Vehicles**