

# 2009 STEP Summer Institute Schedule

## June 8-19, 2009

### Monday, Day 1

8:00 – 10:00

Scientist Pretests  
Participant Introductions  
Daily Schedule Review  
Class Registration  
Laptop Checkout, Tee-shirts, and Per Diem payout

10:00-12:00

**Alaska Science Consortium (ASC) Group 1 (Globe Room)**  
ASC assessment of GLE and science content knowledge, process skills introduction and activities. Participants will keep a daily reflective journal of each day's events.  
**Online Course (OC) Group 2 (WRRB Conference Room)** work on thematic/instructional lesson units.

12:00 - 1:00

Lunch

1:00 – 2:30

"Volcanoes in the Solar System" - R. Herrick

2:30 - 5:00

"Remote Sensing of the Redoubt 2009 Eruption" - P. Webley

5:15-5:30

Load Bus to Turtle Club (if ride needed)

6:00

Dinner at Turtle Club

8:00-9:00

Load bus and return to dorms

Homework

Take-home test for R. Herrick and P. Webley

### Tuesday, Day 2

8:00 – 12:00

Test due for R. Herrick and P. Webley  
"Aerosols in Alaska" - C. Cahill

12:00 – 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
GLE review, introduction to best practice teaching skills and the ASC Learning Cycle Model (informal loop activity), building assessments, self, peer, and instructor assessments, review scientist content.

**Online Course (OC) Group 2 (WRRB Conference Room)** work on thematic/instructional lesson units.

Homework

Take-home test for C. Cahill

### Wed. Day 3

8:00 - 12:00

"Aerosols in Alaska" - C. Cahill

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
Translation Groups: Participants work in grade level groups to discuss ways of translating earth science content, scientific explorations and activities presented by the scientists, into lessons for K-12 students. Begin work on LCM lesson. (Due Tues., June 16th) Discrepant event.

**Bertram/Kaden (BK) Group 2 (WRRB Conference Room)** work on thematic/instructional lesson units.

Homework Take-home test for C. Cahill

**Thurs. Day 4**

8:00 - 11:00

Test Due for C. Cahill  
"Volcanism and Redoubt Volcano" - J. Dehn

11:00-12:00

"Infrasound" - C. Szuberla

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
Translation Groups: Work on LCM lesson. Discrepant event.  
**Online Course (OC) Group 2 (WRRB Conference Room)** work on thematic/instructional lesson units.

Homework

Take-home test for J. Dehn and C. Szuberla

**Friday, Day 5**

8:00am – 5:00

Chena Hot Spring Field-trip

Homework

Take-home test for J. Dehn and C. Szuberla

**Monday, Day 6**

8:00 - 12:00

Test due for J. Dehn and C. Szuberla  
"2009 Eruptions at Mt. Redoubt" - J. Beget and M. Keskinen

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
Translation Groups: Work on LCM lesson. Discrepant event.  
**Online Course (OC) Group 2 (WRRB Conference Room)** work on on-line course development.

Homework

Take-home test for J. Beget and M. Keskinen

**Tuesday, Day 7**

8:00 -9:00

"2009 Eruptions at Mt. Redoubt" - J. Beget and M. Keskinen

9:00-12:00

Ash Field-trip to Chena Ridge/Gold Hill

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
Translation Groups: Work on LCM lesson. Lesson due to TG leader at 5pm. Discrepant event.  
**Online Course (OC) Group 2 (WRRB Conference Room)** work on on-line course development.

Homework

Take-home test for J. Beget and M. Keskinen

**Wed. Day 8**

8:00 - 12:00

Test due for J. Beget and M. Keskinen  
"Radar in Your Remote Sensing Toolbox" - J. Nicoll

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**  
Translation Groups: Make any revisions to LCM lesson. Discrepant event.  
**Online Course (OC) Group 2 (WRRB Conference Room)** work on on-line

course development.

**Thurs. Day 9**

8:00 - 12:00

Test due for J. Nicoll

"How Volcanoes Breathe and Glaciers Creep--Tracking Surface Deformation" - F. Meyer

12:00 - 1:00

Lunch

1:00 – 5:00

**ASC Group 1 (Globe Room)**

Discrepant event. Lesson presentations. All final work including revisions due to TG leader at 5pm.

**Online Course (OC) Group 2 (WRRB Conference Room)** work on on-line course development.

Homework

Take-home test for F. Meyer

**Friday Day 10**

8:00 – 8:15

Test due for F. Meyer

8:15-12:00

**ASC Group 1 (Globe Room)**

Discrepant event. Lesson presentations.

**Online Course (OC) Group 2 (WRRB Conference Room)** participation in case study.

12:00 – 1:00

Lunch

1:00 – 2:15

**ASC Group 1 (Globe Room)**

Discrepant Event. Lesson presentations.

**Online Course (OC) Group 2 (WRRB Conference Room)** participation in case study.

2:15 – 3:15

Participant feedback session

3:15 – 4:15

STEP evaluation

4:15-5:00

Wrap-up: Turn in parking passes, laptops, jump drives, goodbyes :(