

**Science Teacher Education Program (STEP) Summer Institute
Session II: July 23 – August 3, 2007**

**Session II
Agenda
Day 1, Monday
July 23, 2007**

Time	Event
7:30am to 8:00am	Breakfast in IARC 501/Hand out parking passes
8:00am to 9:00am	Introductions in IARC 401
9:00am to 9:30am	Pretest IARC Room 401
9:30am to 10:00am	Global Climate Change and Human Well-Being Video IARC 401
10:00am to 10:15am	Break
10:15am to 11:00 am	Distribution on textbooks, bags, t-shirts, jump drives and laptops.
11:00pm to 11:45am	ASC and Science Course requirements
11:45am to 12:45	Lunch
12:45pm to 2:15pm	Wiki Activity IARC 401
2:15pm to 2:30pm	Break
2:30pm to 5:00pm	Science Lecture: Ronnie Daanen, Postdoctoral Fellow, Permafrost Laboratory, UAF Geophysical Institute “Permafrost and Climate” IARC 401
5:00pm to 7:30 pm	Dinner and Social Time at Pump House Restaurant Goldline bus will be ready at 5:00 to stop by hotel and then to Pump House
7:30pm	Goldline bus return to Extended Stay Hotel
Homework	Read chapter 9 and a chapter of your choice in the Process Skills text and reflect on them in your journal or work on discrepant event Read

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**Session II
Agenda
Day 2, Tuesday
July 24, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Science Lecture: Chris Petrich, IPY Postdoctoral Fellow, UAF Geophysical Institute “Sea Ice” IARC 401
10:00am to 10:15am	Break
10:15am to noon	Continue lecture with Chris Petrich IARC 401
12:00pm to 1:00pm	Lunch IARC 501
1:00pm to 1:30pm	Discrepant event, birthday graph, and homework discussion IARC 401
1:30pm to 3:30pm	Process skills stations
3:00am to 4:30 p.m.	Introduction to the ASC Learning Cycle Mode (LCM) informal loop (IARC 401
4:30 to 5:00pm	Daily journal reflection and homework
Homework	Read 2 chapters of your choice in the Process Skills text and respond in journal or work on discrepant event

**Science Teacher Education Program (STEP) Summer Institute
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**Session II
Agenda
Day 3, Wednesday
July 25, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Q&A and follow-up work session with Chris Petrich IARC 401
10:00am to 10:15am	Break
10:15am to 11:00am	Follow-up work session with Chris Petrich/visit Ice Lab
11:00am to noon	Group discussion with Chris Petrich
12:00pm to 1:00pm	Lunch IARC 501 and *Optional* presentation by Dr. Akasofu, Founding Director of the International Arctic Research Center (IARC), “Global Warming” (IARC 401)
1:00pm to 1:30pm	Discrepant event and homework discussion
1:30pm to 2:30pm	Explain content standards, performance standards, and GLE's. Use GLE's to build assessment
2:15pm to 2:45pm	Scoring guides and rubrics
2:45pm to 3:00 pm	Break
3:00pm to 4:30pm	Translation Groups: choose GLEs for group and individual lessons
4:30 to 5:00pm	Daily journal reflection and homework
Homework	Take home test for Chris Petrich

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**Session II
Agenda
Day 4, Thursday
July 26, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 8:45am	Diescrepant event and turn in Chris test IARC 401
8:45am to 11:30	Translation Groups: Complete rubric and assessment task and work on group lesson #1
11:30 am to 12:30pm	Lunch IARC 501
12:30pm to 2:30pm	Science Lecture: Katey Walter, Associate Research Professor, Institute of Northern Engineering and the Water and Environmental Research Center “Melting Permafrost and Methane” IARC 401
2:30pm to 2:45pm	Break
2:45pm to 4:30pm	Continue lecture with Katey Walter IARC 401
4:30 to 5:00pm	Daily journal reflection and homework IARC 401
Homework	Read inquiry articles and respond in journal

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Session II Agenda Day 5, Friday July 27, 2007

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 11:30am	Follow-up with Katey Walter IARC 401 (Goldline bus pick up 8:15-8:30 Field-trip to Just AStore and Smith Lake Bus return to IARC at 11:30)
11:30am to noon	Group discussion with Katey Walter IARC 401
12:00pm to 1:00pm	Lunch IARC 501
1:00pm to 1:30pm	Discrepant and homework discussion
1:30pm to 4:30pm	Translation Groups – Work on group lesson #1
4:30 to 5:00pm	Daily journal reflection and homework. Turn in journals to ASC instructors. IARC 401
Homework	Take home test for Katey Walter and begin to work on individual lesson #2

**Science Teacher Education Program (STEP) Summer Institute
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**Session II
Agenda
Day 6, Monday
July 30, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Science Lecture: Jessie Cherry, Postdoctoral Research Faculty, Arctic Region Supercomputing Center & Amy Tidwell, IPY Postdoctoral Fellow, UAF Geophysical Institute “Water Cycle and Water Resources in a Changing Climate” IARC 401
10:00am to 10:15am	Break
10:15am to noon	Continue lecture with Jessie Cherry & Amy Tidwell IARC 401
12:00am to 1:00pm	Lunch IARC 501
1:00pm to 1:30pm	Discrepant event and 3 circle venn IARC 401. Turn in Katey Walter's test
1:30pm to 4:30pm	Translation Group- Work on individual lesson #2, secondary group-formal loop introduction, Turn in lesson #1 to ASC instructors
4:30pm to 5:00pm	Daily journal reflection and homework. Turn in Katey Walter test
Homework	Work on lesson #2

**Science Teacher Education Program (STEP) Summer Institute
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**Session II
Agenda
Day 7, Tuesday
July 31, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Q&A and follow-up work session with Amy Tidwell and Jessie Cherry IARC 401
10:00am to 10:15am	Break
10:15am to 11:00am	Follow-up work session with Amy Tidwell and Jessie Cherry
11:00am to noon	Group discussion with Amy Tidwell and Jessie Cherry
12:00am to 1:00pm	Lunch IARC 501
1:00pm to 1:30pm	Discrepant event and homework discussion IARC 401
1:30pm to 4:30pm	Translation Group- Work on individual lesson #2
4:30pm to 5:00pm	Daily journal reflection and homework.
Homework	Take home test for Amy Tidwell and Jessie Cherry

**Science Teacher Education Program (STEP) Summer Institute
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**Session II
Agenda
Day 8, Wednesday
August 1, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Science Lecture: Gerhard Kramm/Atmospheric Radiation IARC 401
10:00am to 10:15am	Break
10:15am to noon	Continue lecture with Gerhard Kramm IARC 401
12:00pm to 1:00pm	Lunch IARC 501 *Optional* presentation by Lily Wong, "Science Education Observation Network" IARC 401
1:00pm to 1:30pm	Discrepant event and homework discussion. Turn in Jessie & Amy Test. IARC 401
1:30pm to 4:30pm	Translation Groups - Work on Lesson #2
4:30 to 5:00pm	Daily journal reflection and homework
Homework	Work on lesson #2

**Science Teacher Education Program (STEP) Summer Institute
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**Session II
Agenda
Day 9, Thursday
August 2, 2007**

Time	Event
7:30am to 8:00am	Breakfast IARC 501
8:00am to 8:15am	GI Staff Q&A IARC 401
8:15am to 10:00am	Q&A and follow-up work session with Gerhard Kramm IARC 401
10:00am to 10:15am	Break
10:15am to 11:00am	Follow-up work session with Gerhard Kramm
11:00am to noon	Group discussion with Gerhard Kramm
12:00pm to 1:00pm	Lunch IARC 501
1:00pm to 2:00 pm	Discrepant event and homework discussion. Science Outreach, Math/Science Conferences and Follow-up Course IARC 401
1:30pm to 4:30pm	Translation Groups - Work on Lesson #2. Turn in journals and lesson #2 IARC 401
4:30 to 5:00pm	Daily journal reflection and homework
Homework	Take home test for Gerhard Kramm

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**Session II
Agenda
Day 10, Friday
July 20, 2007**

Time	Event
7:30am to 8:00am	Breakfast
8:00am to 8:15am	Kathy Bertram Q&A
8:15am to noon	ASC Group Lesson Presentations. Turn in Gerhard test. (IARC 401 and 501)
12:00pm to 1:00pm	Lunch IARC 501
1:00pm to 1:30pm	ASC wrap-up IARC 401
1:30pm to 2:30pm	Wiki IARC 401
2:30pm to 3:30pm	Roundtable Discussion of program strengths and weaknesses IARC 401
3:30pm to 4:00pm	Evaluation IARC 501
4:00pm to 5:00pm Goodbyes	Wrap-up – turn in parking passes, laptops, jump drives