



**ECOS INSTITUTE I PRELIMINARY SCHEDULE**  
**University of Montana**  
**July 18 - 22, 2005, 9:00 am - 4:30 pm**

**MATERIALS YOU NEED TO BRING EACH DAY**

water	outdoor shoes	lunch (Tuesday - Friday),
bug juice	hat	sunglasses
sunscreen	pencil	

**MONDAY JULY 18 - SETTING THE STAGE FOR INQUIRY!**

**Meet at Greenough Park at the picnic shelter**

8:30 Teachers arrive for pre-institute assessment  
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9:00 Welcome and Introductions - Meet teams and learn about schools and teachers

9:45 Brief overview of ECOS Institute - Expectations, time commitment, registration for renewal credits

10:00 Asking and Answering Ecological Questions

**10:30 BREAK**

10:45 Ecological Investigation

**12:00 PICK UP LUNCH AND CONTINUE INVESTIGATIONS**

2:30 Prepare butcher paper of question, approach, and findings

3:15 Present group findings - 10 minutes per team

4:15 Wrap up and reflection for Tuesday

4:30 Adjourn

**TUESDAY JULY 19, 2005 - ECOS ORIENTATION AND ASSESSING THE SCHOOLYARD?**

**Meet in UC 331**

**8:45 Coffee**

9:00 Welcome back - Reflection on inquiry from Monday  
Focused writing reflection and discussion  
Discussion of types of inquiry investigations

9:45 More details of ECOS - Philosophy, expected outcomes, expectations of participants, time commitment, registration for renewal credits, what is in packet and general questions

**10:30 BREAK**

10:45 Birds of a feather breakout groups  
Teachers - Carol  
Undergrads and Grad Students - Paul

**12:00 - 12:30 LUNCH**

12:30 Ecological Laboratories in the Schoolyard: A resource inventory

2:00 Team breakout time to talk about opportunities in the schoolyards and the kinds of ecological investigations/ecology teaching currently done by teachers; review curriculum guidelines for each school (*teachers please bring your curriculum guidelines*)

**3:00 BREAK**

3:15 Teams reports back to whole group

4:00 Resources available to schools to develop ecological teaching "center"

4:30 Adjourn

**WEDNESDAY JULY 20, 2005 - PAYING ATTENTION TO STANDARDS AND ASSESSMENT**

**Meet in UC 331**

8:45 Coffee

9:00 Connecting ECOS to the National Science Standards: Slide show by fellows of how their expertise connects to the National Science Standards

**10:30 Break**

10:45 Poster session by ECOS fellows on their research - each fellow will present a research poster and provide a 5 minute summary

**12:30 - 1:00 LUNCH**

1:00 Learning about the impact of ECOS: What do we want to know? How can we assess it? Mini-workshop with Dr. Deborah Morris, ECOS Assessment Consultant

**2:45 BREAK**

3:00 The ECOS Log: a computer lab session

4:00 Discussion about creating ECOS assessments

4:30 Adjourn

**THURSDAY JULY 21, 2005 - A TOUR OF LOCAL DEMONSTRATION PROJECTS**

8:50 Meet at School Parking Lot at Target Range School

9:00 Creating a Demonstration Project

9:30 Tour of Target Range Garden: Rachel and Carl

**10:30 BREAK**

11:00 Reconvene at field behind Big Sky High School: Dave Oberbillig

**12:30 LUNCH AND TRAVEL**

1:30 Reconvene at Lewis and Clark Discovery Garden - Building on Resources that are already available

3:00 Teams find shady spot and brainstorm ideas for demonstration sites

4:00 Share ideas with whole group

4:30 Adjourn

**FRIDAY JULY 22, 2005 - PLANNING FOR THE SCHOOLYEAR**

**Meet at UC 331**

**8:45 Coffee**

9:00 Resources of the ECOS Program

Web site

ECOS Guide to the Natural History of the Northern Rockies

Curricular materials developed

10:00 Team Planning - Outcomes Today

1) Theme for year

2) Greatest opportunities and greatest needs

3) Pre- and Post- year assessment (just a few questions)

4) What each member of your team will do between now and the August institute

**12:00 LUNCH AND INSTITUTE ASSESSMENT**

12:30 Team planning, continues

3:00 All teams have 10 minutes each to present their plan

4:00 Overview and preparation for ECOS Institute II

4:30 Adjourn until August 15