

ICEC Winter Workshop 2017 - February 3 & 4

Spreading our Wings with Science Standards

Pollinators, Monarchs, and Conservation Education



Friday, February 3

- 8:00 a.m. Registration - Library (also drop off silent auction items)
- 9:00 a.m. Welcome - ICEC and Conservation Education Center staff
- 9:15 a.m. Opening session: Overview of where we've been with the new science standards, what we've done to date, brief review of the new science standards and where to find them online. Orientation to the work and workshop flow.
- 10:00 a.m. Break - Snack in Dining Hall (teachers taking for credit meet now)
- 10:30 a.m. Story lines - how does a field trip fit into a "storyline?" What are classroom storylines and why they are important? Teachers will be working with story lines - here is how EE fits in.
- 10:45 a.m. Phenomena are used to help hook students into a topic and to help focus the work. A storyline has an overarching phenomena and the separate segments may have individual phenomena that define the segment. We will discuss what phenomena are and why they are important to learning.
- 11:00 a.m. Examples from the K-12 regional workdays - learn about the programs we revised and how you can access and use them.
- 12:00 p.m. Lunch - Dining Hall
- 1:00 p.m. Look into the process as it unfolds and be part of creating a new example. One of our summer teams will demonstrate how they went from ordinary to new. They will lead you through the process in creating a new example so you can experience "the shift" in thinking. Spread your wings!
- 2:30 p.m. Break - Snack in Dining Hall
- 3:00 p.m. Department of Education Updates and Early Childhood interface with new science standards - Kris Kilibarda and Kimberly Villotti
- 3:30 p.m. Keynote #1 Jennifer Hopwood, Xerces Society, Pesticides and Pollinators, separate the facts from the hype.
- 4:30 p.m. Small group sharing based on keynote content - how can you act on the information learned?
- 5:00 p.m. Free time until Dinner
- 6:00 p.m. Dinner - Dining Hall
- 7:00 p.m. ICEC Annual meeting in the Classroom
- 7:30 p.m. Citizen Science Projects, Panel discussion on what works to recruit people to participate, how do they get people involved, plus time for discussion.
- 8:45 p.m. Silent Auction ends - Dining Hall

Funding from Resource Enhancement and Protection Conservation Education Program (REAP CEP) and this workshop would not be possible without agency support!



Saturday, February 4

- 7:00 a.m. Breakfast - Dining Hall, move out of dorms, pick up Silent Auction items and pay
- 8:00 a.m. Sharing response to keynote and products from Friday work session.
- 8:30 a.m. Keynote #2 Karen Oberhauser, University of Minnesota, monarch researcher and expert on monarch larvae.
- 9:30 a.m. Work session based on keynote content based on grade specific DCIs - small group work
- 10:15 a.m. Break - Snack in Dining Hall
- 10:45 a.m. Small group work, continue work from day before on their example, or start a new example. If you are new to the new science standards and alignment work there will be a session for you.
- 12:00 p.m. Lunch - Dining Hall
- 1:00 p.m. Keynote #3 Benjamin Vogt, Monarch Gardens Prairie Garden Consulting and Design, Gardening for Pollinators
- 2:00 p.m. How will you act upon what you've learned at this workshop? Individuals generate action steps and co-create a document capturing these intentions.
- 2:45 p.m. Wrap-up
- 3:00 p.m. Safe travels home!

ICEC Winter Workshop 2017 Key Presenters

- **Dr. Karen Oberhauser**, Professor, Department of Fisheries, Wildlife and Conservation Biology, University of Minnesota. Oberhauser has been studying monarch butterflies since 1984. She works with teachers and pre-college students in Minnesota and throughout the United States using monarchs to teach about biology, conservation, and the process of science.
- **Jennifer Hopwood**, Senior Pollinator Conservation Specialist at The Xerces Society for Invertebrate Conservation for past seven years, located in Omaha, Nebraska
- **Benjamin Vogt** owns Monarch Gardens, a prairie garden design firm based in Lincoln, Nebraska. He has a weekly native plant and sustainable garden column at Houzz.com that has been read 2.5 million times, while his freelance writing and photography have appeared in over sixty publications, including the books Gardening For Butterflies (The Xerces Society) and Pollinator Friendly Gardening.

Workshop Planning Committee

Conference Chair: Jean Eells, E Resources Group

Co-Chair: Phyllis Anderson, Retired Area Education Agency Consultant & E Resources Group

Peggy Christensen, Heartland AEA

Linda Zaletel, Iowa Conservation Education Coalition

Regional Workday Participants by AEA

Green Hills: Kim Wise, Christina Roelofs, Anne Riordan, Jen Rasmussen, Julie Plowman

Great Prairie: Rosemary Peck, Mary Bulger, Clay Steele, Tracy Jarrett, Stephanie Nudd

Northwest: Phyllis Anderson, Charlene Elyea, Victoria DeVos, Beth Burley, Donna Stevenson

Grant Wood: Julie Foltz, Phyllis Anderson, Gail Barels, Caitlyn Savage, Julie Ruden, Meredith Holm

Heartland 1: Peggy Christensen, Patti Petersen-Keys, Heidi Anderson, Stacey Emary, Janet Riordan

267: Phyllis Anderson, Sondra Cabel, Angie Auel, Chris Anderson, Rhonda Bussan

Mississippi Bend: Tammy Askeland-Nagle, Jen Meyer, Jenna Olson, Heidi Lippens

Heartland 2: Craig Edmondson, Rebekah Beall, Elizabeth Waage, Mike Todd, Noreen Nsereko Wantate

Keystone: Jason Martin-Hiner, Lilly Jensen, Heather Gamm, Kenny Slocum, Abbey Harkrader, David Stieler

Prairie Lakes: Lynn Campbell, Karen Hansen, Erin Ford, Mike Pavik, Dawn Provin, Sevond Cole