



OMEGA

EfS Summer Design Studio

2018

Welcome Packet

Dear Participant,

Welcome! Thank you for registering for our **5-day EFS Summer Design Studio (SDS)**. The 5-day Design Studio, provides participants with the background knowledge needed to build a shared understanding of Education for Sustainability. The work that follows takes the broader concepts, and provides the tools and skills to place them within the context of classrooms, schools and communities.

Below you will find the agenda for the week's program, introductory information and preparatory logistics. The contents here, along with other materials provided at the program will be learning tools for you through the program. These materials are meant to be of use to you throughout the planning, facilitating and assessment stages of your work with us through the week. We are delighted to have you in this *Education for Sustainability Program*.

Event Locations & Times

MONDAY, AUGUST 6 – FRIDAY, AUGUST 10 | Design Studio, 9:00 am – 4:00 pm
Omega Institute, 150 Lake Drive, Rhinebeck, NY 12572

Meals

Omega will provide 3 meals a day.

Dress Code

The Cloud Institute encourages casual and comfortable attire for all 5 days.

What to Bring

We recommend you bring a laptop with a memory stick (if you have one). We will provide you with all of the tools, materials, and resources that you will use during the training. However, you may want to bring a writing utensil and a personal notebook or journal to record your thoughts, plus any materials, articles, activities or other resources that you will need to design or would like to share during the course.

If you have any further questions please contact: Charlene Turner at charlene@cloudinstitute.org.

Introduction

The Cloud Institute for Sustainability Education prepares educators and their communities to educate for a sustainable future by inspiring educators and engaging students through meaningful content and learner-centered instruction. Our services include: consulting and leadership development; professional development and coaching; curriculum design, assessment, mapping, and alignment, and facilitating school and community partnerships.

We define Education for Sustainability (EfS) as a transformative learning process that equips students, teachers, and school systems with the new knowledge and ways of thinking we need to achieve economic prosperity and responsible citizenship while restoring the health of the living systems upon which our lives depend. EfS has multiple, positive effects on student achievement, school culture, community vitality, and ecological integrity.

Overview

Facilitated by Jaimie Cloud, the Design Studio was developed because teachers, administrators and project leaders need time and space to create and develop units that educate for sustainability. During the week participants will have access to the expertise, resources and tools required to design elegant EfS curriculum units for use in your classroom or change initiatives for your school or community that contribute to EfS.

What's included in the week-long studio?

- 5 days of work time (or 1 day of PD and 4 Days of worktime), personalized instruction, and coaching
- EfS Curriculum Design Workbook, 2016 Ed. (hard copy and digital)
- Access to the Cloud Commons digital library and Rubicon Atlas (2 week subscription)

Objectives:

- FAMILIARIZE - Become familiar with EfS Enduring Understandings, EfS Standards and Performance Indicators
- DESIGN - Use backwards design to create EfS curricula, protocols and/or plans
- ASSESS - Learn how to develop EfS assessments that produce and measure learning
- ANALYZE - Practice analyzing student work and units of study for evidence of EfS Attributes
- REVIEW - Take the time to review exemplary "off the shelf" EfS curricula that the Cloud Institute recommends

Some questions that will be addressed include:

- How can we design elegant units of study that educate for sustainability?
- What explicit criteria can we use to assess student work for evidence of EfS?
- What are the core EfS content, performance standards/outcomes and indicators we can use to design learning opportunities and assess student learning?
- How can we align EfS Core Standards/Outcomes with the ones our school/ State require?
- Can we integrate EfS units into our curriculum mapping software?
- How can Understanding by Design or a "backwards design" approach contribute to the design of EfS curricula?

MONDAY

9:00am - 12:00pm

Introduction and “The Fish Game” Simulation

This hands-on workshop engages participants in an interactive, replicable learning experience that combines systems thinking tools with interdisciplinary content for a deeper understanding of our role in moving toward a sustainable future. A discussion of ‘mental models that contribute to sustainability’ and ‘behaviors and strategies that contribute to sustainable outcomes’ provide participants with a hopeful paradigm for education and community action.

12:00pm - 1:00pm

Lunch

1:00pm – 2:15pm

Quality of Life Indicators

What is an indicator of progress? What indicators do we currently use in our society? Are these the best measures of our quality of life and, if not, what would be better measures?

2:15pm – 3:15pm

“Diminishing Resources” Activity

How can you, your colleagues, and your students use systems thinking to address problems? How do you know you are distinguishing the problem from the system? How can you ensure that you don’t make your problem worse in the long run and create new problems? This session will make use of critical systems thinking tools of Education for Sustainability (Efs) in order to create a framework for effectively identifying and solving problems.

3:15pm – 4:00pm

The Natural Laws and Principles

What are the operating instructions for the planet? Are we abiding by them? Do we have a choice?

TUESDAY

<p>9:00am - 10:15am</p>	<p>Introductions and Overview of the Week's Activities Meet, greet and identify participants who might form affinity groups during the week. Review of Studio agenda and goals, design workbook, and resources available from the Cloud library and the Cloud Commons digital library. Participants will be given the wireless code for the facility and asked to begin developing their Work Plan – either online or in hardcopy.</p>
<p>10:15am – 11:00am</p>	<p>Presentation: Education for Sustainability (EfS) Framework Why educate for a sustainable future? This session will introduce the EfS framework, including the core content and habits of mind of EfS.</p>
<p>11:00am - 12:00pm</p>	<p>Getting Started Find and set-up work spaces, view exemplars, and plan the week's work.</p>
<p>12:00pm - 1:00pm</p>	<p>Lunch</p>
<p>1:00pm - 2:30pm (choice #1)</p>	<p>Work Time Identify target audience, enduring understandings and learning outcomes for design project.</p>
<p>1:00pm - 2:30pm (choice #2)</p>	<p>Professional Development Workshop w/ Jaimie Cloud Backwards Design Process Jaimie will walk through the backwards design process and address questions regarding the Curriculum Design Components and the EfS Design Worksheets and Templates. For those who haven't become familiar with and chosen EfS Standards, performance indicators and Enduring Understandings to work with, they can do so in this session. In addition, we will cover how to conduct a strengths assessment and analysis. Work time will be included.</p>
<p>2:30pm - 4:00pm</p>	<p>Work Time and Coaching</p> <p>Work Time: Design lessons and units, assessments, rubrics, mapping curriculum, sketches and pacing calendars. Vertical and lateral curriculum mapping (teams) and integration of EfS across curriculum and project plans.</p> <p>Coaching: Receive one-on-one consulting to assist with thinking deeply about your design and development work, make resource recommendations, ask critical questions and promote idea generation.</p>

WEDNESDAY

9:00am - 9:30am

Check-in

9:30am - 12:00pm

Work Time and Coaching

Get familiar with and begin using EfS Design Tools, Templates and Exemplars

- EfS Standards and Enduring Understandings
- Design Worksheets
- Unit Overview Template
- Lesson Templates
- View Exemplars

Work on Maps, Design Worksheets, and Unit Overview Template (for interdisciplinary grade level teams, we recommend reviewing the EfS Grade Level Curriculum Alignment Grid to look for interdisciplinary connections)

12:00pm - 1:00pm

Lunch

1:00pm - 2:30pm

(choice #1)

Work Time

1:00pm - 2:30pm

(choice #2)

Professional Development Workshop w/ Jaimie Cloud

Overview - Assessments that Produce Learning

Assessments should produce learning - not just measure it. In this mini-session we will explore the attributes of assessments that produce learning, and participants will conduct a self-assessment on their own assessment practices. We will then talk about our findings and the implications for the design work in which we are engaged.

2:30pm - 4:00pm

Work Time and Coaching

Work Time: Design lessons and units, assessments, rubrics, mapping curriculum, sketches and pacing calendars. Vertical and lateral curriculum mapping (teams) and integration of EfS across curriculum and project plans.

Coaching: Receive one-on-one consulting to assist with thinking deeply about your design and development work, make resource recommendations, ask critical questions and promote idea generation.

THURSDAY

9:00am - 9:30am	Check-in
9:30am - 12:00pm	Work Time and Coaching Design work and coaching continues.
12:00pm - 1:00pm	Lunch
1:00pm - 3:00pm (choice #1)	Work Time Design work continues.
1:00pm - 3:00pm (choice #2)	<p>Professional Development Workshop w/ Jaimie Cloud</p> <p>Part I - Assessing for the Attributes of Efs Participants will learn how to design performance assessments that produce learning and evidence of student learning outcomes in Efs. (Please bring current work with you so we can work with your outcomes.)</p> <p>Part II - Analyzing Student work for Evidence of Efs Participants will analyze student work exemplars for evidence of Efs to practice recognizing what performance indicators look like in student work products.</p>
3:00pm - 4:00pm	Work Time and Coaching Design work and coaching continues.

FRIDAY

9:00am – 10:30am	Peer Reviews Participants will provide feedback to one another using the 'Critical Friends' protocol.
10:30am – 11:30am	Note making, revisions work time and coaching
11:30am – 12:00pm	Close Out

Recommended Reading

1. PNW BOCES Education for Sustainability Sample Exemplars aligned to Cloud Efs Standards
www.pnwboces.org/efs
2. Cloud, J. "Educating for a Sustainable Future." Curriculum 21 Essential Education for a Changing World. Ed Heidi Hayes Jacobs. 2010.
<http://www.cloudinstitute.org/storage/downloads/Curriculum-21-Chapter-10-Excerpt.pdf>
3. Cloud, J. "Kindergarten through Twelfth Grade Education: Fragmentary Progress in Equipping Students to Think and Act in a Challenging World." Agenda for a Sustainable America. Ed John Dernbach. 2009
<http://www.cloudinstitute.org/storage/downloads/Publications-K-12-Chapter-Environmental-Law-Institute-Education-for-Sustainability-2009.pdf>
4. Cloud, J. "Some Systems Thinking Concepts for Environmental Educators during the Decade of Education for Sustainable Development." Education for Sustainable Development--Papers in Honour of the UN Decade of Education for Sustainable Development. Section II, Chapter 2.3. 2003.
<http://www.cloudinstitute.org/storage/downloads/Publications-K12-Chapter-Environmental-Law-Review-2003.pdf>
5. Understanding by Design (Wiggins, Grant and Jay McTighe). 2005.
<http://www.grantwiggins.org/documents/mtuniontalk.pdf> (PPT overview only)