

Integrating “Inquiry” with Revised Science Standards



Activity #1 (~2 hours)

Moodle Site Overview- Nuts and Bolts of Site

View- Screen Shots and Videos

Assignment- Edit Profile and Upload a Document to the Discussion Forum (Ice-Breaker Activity)

Activity #2 (~2 hours)

2010 Ohio Revised Science Standards

Standard and Model Curriculum Overview

Grade Level Specific- Overview & Crosswalk

Explore 2010 Content Standards- Online Document

Assignment- Answer Discussion Questions regarding specific aspects of 2010 Standards and Model Curriculum. Start a discussion thread of your own.

Activity #3(~4hours)

Introduction to Inquiry 2010 ODE Science Standards

Inquiry- Pre-Test/Survey

“Inquiry Skills” by Grade Bands- Science

“Inquiry” Articles and Videos

Assignment- Reply to a thread started by a colleague in the Discussion Forum. Answer Discussion Questions regarding specific aspects “Inquiry” Articles and Videos.

Activity #4(~3hours)

Introduction to BSCS’s 5 E’s “Learning Cycle”

Sharing of Articles and Online 5E’s Templates

Examine examples of 5E’s “Inquiry” Lessons

Assignment- Contribute to the collaborative sharing activity in the Wiki.
“Who Wants To Work Together- Choosing a Colleague?”- Discussion Forum

Activity #5(~3hours)

5 E's Model- Development of Lesson/Unit

"Inquiry" Theme Utilizing Online Resources

Collaborate, Develop and Share lesson with colleague-facilitator – Evaluation Template

Assignment- Collaborative development and completion of the "Inquiry" 5E's Science Lesson

Activity #6(~1hour)

Course Evaluation and Reflection- Online Form

Assignment- Complete course evaluation and reflection form.

Completion of the activities #1 - #6 = 1 Semester Hour of Credit
#7 - #9 Additional 1 Semester Hour of Credit

Activity #7(~5hours)

Preparation of Materials and Resources for Lesson Implementation

Web 2.0 Resource Integration- Online Instruction

Online Documentation of Preparation Activities- Portfolio (Online)

Assignment- Development of Web 2.0 Online Sharing Portfolio- Preparation Activities

Activity #8(~6hours)

Implement Developed Lesson – Classroom Setting

Online Documentation of Lesson Implementation Activities- Portfolio (Online)

(Photos/Videos/Sounds/Worksheets/etc.)

Assignment- Development of Web 2.0 Online Sharing Portfolio- Implementation Activities

Activity #9(~4hours)

"Reflection and Sharing Portfolio" Collaborative Environment- Online Wiki or Webinar

Share your experiences, changes made, Likes/Dis-like

Lesson/Unit Changes- Online Log- Hours- Ashland Credit. (CEU certs= Sem. Hrs.)

Course Evaluation Form

Assignment- Completion of Web 2.0 Reflection/Sharing Portfolio Activities and Course Evaluation