



## Technology and Curriculum Classes Offered online 2007- 08 through Heartland (Not yet in PD Website)

### **Science:**

- United Streaming in the Science Classroom Online class- begins Jan 8 through Feb 1; 2 credits; This online course will discuss the use of the video streaming website United Streaming in the Science classroom. United Streaming offers video, video segments, images, events, quizzes and assignments for student and k-12 teacher use. Teachers will be able to access video and video clips to support educational differentiation in their classroom. The video clips will support flexible and concise use of classroom time. Students will be able to use these resources to explore and present their understanding of various Science events.

- Beginning Inquiry K-4 (online)- begins Jan 19-08 through Feb 24, 08; 2 credits; This course is highly recommended for those science educators new to Inquiry-based instruction or those desiring a refresher course that examines the benefits of inquiry practice. This class will introduce the participant to the beginning of Science Inquiry. Participants will look at the National Science Education Standards, Abilities Necessary to do Inquiry and the Essential Features of Inquiry as they apply to science unit plans for the classroom. There will be a 2 mandatory face-to-face sessions at Heartland (Jan 19, 08). The first 4-hour face-to-face meeting will be at the beginning of the course. Participants will be immersed into an inquiry-based science activity appropriate for their grade level. There will also be a 2-hour face-to-face class discussion toward the end of the course at which participants will be able to ask questions of the instructors.

- Beginning Inquiry 5-8 (online)- begins Jan 18-08 through Feb 24, 08; 2 credits; This course is highly recommended for those science educators new to Inquiry-based instruction or those desiring a refresher course that examines the benefits of inquiry practice. This class will introduce the participant to the beginning of Science Inquiry. Participants will look at the National Science Education Standards, Abilities Necessary to do Inquiry and the Essential Features of Inquiry as they apply to science unit plans for the classroom. There will be a 2 mandatory face-to-face sessions at Heartland (Jan 18, 08). The first 4-hour face-to-face meeting will be at the beginning of the course. Participants will be immersed into an inquiry-based science activity appropriate for their grade level. There will also be a 2-hour face-to-face class discussion toward the end of the course at which participants will be able to ask questions of the instructors.

- Beginning Inquiry 9-12 (online)- begins Jan 19-08 through Feb 24, 08; 2 credits; This course is highly recommended for those science educators new to Inquiry-based

instruction or those desiring a refresher course that examines the benefits of inquiry practice. This class will introduce the participant to the beginning of Science Inquiry. Participants will look at the National Science Education Standards, Abilities Necessary to do Inquiry and the Essential Features of Inquiry as they apply to science unit plans for the classroom. There will be a 2 mandatory face-to-face sessions at Heartland (Jan 19, 08). The first 4-hour face-to-face meeting will be at the beginning of the course. Participants will be immersed into an inquiry-based science activity appropriate for their grade level. There will also be a 2-hour face-to-face class discussion toward the end of the course at which participants will be able to ask questions of the instructors.

- Possible Podcasting in the Science Classroom

### **Language Arts:**

- United Streaming in Language Arts Online class- begins Feb 5 through Mar 10; 2 credits; This online course will discuss the use of the video streaming website United Streaming in the Language Arts classroom. United Streaming offers video, video segments, images, events, quizzes and assignments for student and k-12 teacher use. Teachers will be able to access video and video clips to support educational differentiation in their classroom. The video clips will support flexible and concise use of classroom time. Students will be able to use these resources to explore and present their understanding of various Language Arts events.

- Possible Podcasting in the Language Arts Classroom



### **Social Studies:**

- United Streaming in the Social Studies Classroom Online class- begins Sept 25 through Oct 26; 2 credits; This online course will discuss the use of the video streaming website United Streaming in the Social Studies classroom. United Streaming offers video, video segments, images, events, quizzes and assignments for student and k-12 teacher use. Teachers will be able to access video and video clips to support educational differentiation in their classroom. The video clips will support flexible and concise use of classroom time. Students will be able to use these resources to explore and present their understanding of various Social Studies events.

- Possible Podcasting in the Social Studies Classroom

### **Mathematics:**

- Podcasting in the Math classroom Online Class- begins Oct 15 through Nov 21 (optional face to face Nov 10); 2 credits; This online class will involve podcasting in the

math classrooms. It is divided into two parts. Part 1 will discuss the research of and how to use podcasts that have been created by someone else in your math classroom. Part 2 will have you creating and publishing your own math oriented podcast. Participants will need access to a computer with OSX with iLife 06 for the podcast creation part of the class. These are available at Heartland AEA during an optional face-to-face session.

- United Streaming in the Math Classroom Online class- begins Nov 1 through Dec 4; 2 credits; This online course will discuss the use of the video streaming website United Streaming in the Math classroom. United Streaming offers video, video segments, images, events, quizzes and assignments for student and k-12 teacher use. Teachers will be able to access video and video clips to support educational differentiation in their classroom. The video clips will support flexible and concise use of classroom time. Students will be able to use these resources to explore and present their understanding of various Math events.