Course Syllabus



TRANSFORMING INSTRUCTION WITH INTERACTIVE WHITEBOARD SYSTEMS - AN OVERVIEW



Transforming Instruction with Interactive Whiteboard Systems-An Overview 15 Hours or 1 Graduate Credit

Course Access: Upon enrollment, you have 180 days to complete your online course in our <u>Learning Management System</u>. If you have any questions about course access, please email <u>support@cecreditsonline.org</u>, or call 425-788-7275 extension 104.

Course Description:

This course will introduce you to the transformative possibilities that interactive whiteboard systems can have on your language arts curriculum. When integrated into a whole system, an interactive whiteboard becomes a powerful instructional tool in the hands of a trained teacher. The first section of this course provides a brief overview of different digital whiteboard systems. The next section will build a strong foundation of skills necessary to successfully control the hardware and software used. These skills include basic operations, manipulating graphics and objects, overlay tools, and integrating peripheral products. The last section will show you how to integrate these skills into general lesson activities which you will then apply to create a lesson of your own.

Please Note:

Although having access to any brand of digital whiteboard is not required, it will greatly enhance your learning experience. Most of the software applications referenced are available as free downloadable trials and are compatible with Windows and Mac operating systems. Most lessons in this course demonstrate hardware and software features through the use of core and auxiliary online streaming videos. Core videos, which are embedded in the web page, have been created and professionally produced specifically for this course and feature a digital whiteboard system from SMART Technologies. Auxiliary videos, which can be accessed via web links, have been produced by others and feature different digital whiteboard systems.

Course Objectives: By the end of the course, participants will:

- Identify components of an interactive whiteboard system
- Discuss current research in instructional technology as it applies to your classroom
- Understand how to use specific skills including basic operations, manipulating graphics and objects, overlay tools, and integrating peripheral products
- Practice using software used in an interactive whiteboard system
- Identify how skills covered in this course can enhance and transform many types of lessons
- Apply skills learned in this course to develop your own lesson

Discuss challenges and successes in using interactive whiteboard systems in your classroom

Student Expectations:

This online course is experiential, interactive, and features many video training modules. Participants will complete journal exercises and online assignments. In addition, participants will be expected to practice and use specific skills in their own setting and report the results to the online forum. Participation is necessary for passing the course.

Grading Policy

100%-90% = A

89%-80% = B

79% and below is Not Passing

| Course Component | Percentage of Final Grade |
|---|---------------------------|
| Forum Post Exercises/ Reflective Journals | 70% |
| Quizzes | 10% |
| Final Exam | 20% |

You must have an 80% average in order to pass and obtain University credit for this course unless your district has specified otherwise.

Credit:

- For those taking this course for credit, upon completion, the necessary paperwork will be submitted to the university that was selected at the time of purchase. Please see <u>University Partners</u> on our homepage for more information.
- For those taking this course for a Certificate of Completion, one will be emailed upon successful completion that may kept for your records.

Class Outline:

- Lesson 1: Building Background on Interactive Whiteboard Systems
 - 1.a Components of Interactive Digital Whiteboard Systems
 - 1.b Comparison of Digital Whiteboard System Major Brands
 - o 1.c Research on Student Achievement and Interactive Whiteboard Systems
 - 1.d Current Trends in Educational Technology

- 1.e Reflective Journal/ Forum Exercise
- 1.f Glossary of Terms & Resources
- 1.g Quiz
- Lesson 2: Learn & Practice Skills- Basic Operations
 - 2.a Attaching Links
 - 2.b Pages, Undo, & Paste
 - o 2.c Pen Tools
 - 2.d Recording Sound
 - 2.e Screen Capture
 - o 2.f Table
 - 2.g Basic Operations Quiz
- Lesson 3: Learn & Practice Skills- Graphics
 - 3.a Gallery: Search Content Types
 - 3.b Manipulation: Aligning Objects
 - 3.c Manipulation: Attach Link and Sound
 - 3.d Manipulation: Drag and Drop
 - 3.e Manipulation: Lock, Group
 - o 3.f Manipulation: Move, Rotate, Size
 - 3.g Properties: Line and Text Styles
 - o 3.h Properties: Page Recording
 - o 3.i Graphics Quiz
- Lesson 4: Learn & Practice Skills- Overlay Tools & Peripheral Products
 - 4.a Use & Modify Ink Layer
 - 4.b Magnifier & Print Screen
 - 4.c Spotlight
 - 4.d Virtual Keyboard
 - 4.e Document Camera- Hardware Overview
 - o 4.f Video Conference: Overview
 - 4.g Wireless Slate (SMART Airliner)
 - 4.h Reflective Journal/ Forum Exercise
- Lesson 5: Learn & Practice Skills- General Activities
 - 5.a Graphic Organizers in Various Programs
 - o 5.b Process Recording in Various Programs
 - o 5.c Selection of Picture Elements
 - 5.d Table Creation in Various Programs
 - 5.e Reflective Journal/ Forum Exercise
- Lesson 6: Curricular Integration- Create and Implement Your Own Lesson
 - 6.a Create and Teach a Lesson
 - 6.b Reflective Journal/ Forum Exercise

- Post Survey
- Evaluation
- Final Exam

Compliance with and Commitment to the American Disabilities Act:

In compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, participants who have any condition, either permanent or temporary, which might affect their ability to complete this course, are encouraged to reach out to support@cecreditsonline.org at the beginning of the course. We will make reasonable academic and accessibility accommodations to the course.

Academic Integrity Policy:

Honesty is an essential aspect of academic integrity. Individual students are responsible for doing their own work and submitting original assignments as per the course directions. Individual students are responsible for doing their own work. Plagiarism and cheating of any kind will not be tolerated. This includes using information from the Internet without citing the website. Avoid plagiarism by appropriately acknowledging the source of the author's words and ideas.