



Course Syllabus:

Transforming Instruction with Interactive Whiteboard Systems-An Overview

Transforming Language Arts Instruction with Interactive Whiteboard Systems

45 Hours or 3 Graduate Credits

Course Description:

This course will introduce you to the transformative possibilities that interactive whiteboard systems can have on your language arts curriculum. An interactive whiteboard system is comprised of many separate components from many companies, but when integrated into a whole system, it becomes a powerful instructional tool in the hands of a trained teacher. The first section of this course will provide a brief overview of different digital whiteboard systems and current research of their effectiveness in the classroom. 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 several language arts lessons which then you will apply this knowledge to create a lesson of your own. This course features over 45 videos comprising over five hours of core video-based training, allowing you to see a credentialed teacher/ certified trainer actually using an interactive whiteboard system. The skills and their integration into language arts instruction covered in this course are designed to be transferable to any hardware or software platform.

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 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 math lessons
- Apply skills learned in this course to develop your own math lesson

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

Student Expectations:

This online course is experiential, interactive, and features many streaming 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:

- **Forum Post Exercises/ Reflective Journals:** 70% of your final grade
- **Quizzes:** 10% of your final grade. Quizzes may be submitted up to 3 times each and the highest score of the 3 will be used.
- **Final Exam:** 20% of your final grade. **You must receive a score of 60% or greater on the final exam to pass this course.**
- You must have an 80% average to obtain university credit for any course. You must have an 80% average to pass the course unless your district has specified otherwise. If your district has specified a different percentage needed to pass, it will be posted in “Your District Information” in the District section of the site. If nothing is posted, you must pass with an overall average of 80%.
- Forum post exercises will not be approved until your entry has met the minimum approval score of 80%.

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 [University Partners](#) 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 Digital Whiteboard Systems
 - 1.a Components of Interactive Digital Whiteboard Systems
 - 1.b Comparison of Digital Whiteboard System Major Brands
 - 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 Managing Pages
 - 2.c Page View Options
 - 2.d Pen Tools
 - 2.e Screen Capture
 - 2.f Shapes, Lines and Eraser
 - 2.g Recording Sound
 - 2.h Basic Operations – Quiz
- Lesson 3: Learn & Practice Skills- Graphics
 - 3.a Gallery : Search Content Types
 - 3.b Gallery : Adding and Managing Your Own Content
 - 3.c Manipulation: Aligning Objects
 - 3.d Manipulation: Attach Link and Sound
 - 3.e Manipulation: Copy, Clone
 - 3.f Manipulation: Drag and Drop
 - 3.g Manipulation: Flip, Order
 - 3.h Manipulation: Lock, Group
 - 3.i Manipulation: Move, Rotate, Size
 - 3.j Manipulation: Selecting Multiple Objects
 - 3.k Properties: Fill Effects
 - 3.l Properties: Line and Text Styles
 - 3.m Graphics – Quiz
- Lesson 4: Learn & Practice Skills- Overlay Tools
 - 4.a Use & Modify Ink Layer
 - 4.b Pointer & Screen Shade
 - 4.c Spotlight
 - 4.d Virtual Keyboard
- Lesson 5: Learn & Practice Skills- Peripheral Products
 - 5.a Document Camera- Hardware Overview
 - 5.b Document Camera- Native Software
 - 5.c Document Camera- Combination with Digital Whiteboard
 - 5.d Student Response Systems- Hardware
 - 5.e Student Response Systems- Software
 - 5.f Peripheral Products – Quiz
- Lesson 6: Curricular Integration- Editing Marks
 - 6.a Lesson Description and Guided Practice
 - 6.b Modifications/ Extensions

- 6.c Reflective Journal/ Forum Exercise
- Lesson 7: Curricular Integration- Handwriting Practice
 - 7.a Lesson Description and Guided Practice
 - 7.b Modifications/ Extensions
 - 7.c Reflective Journal/ Forum Exercise
- Lesson 8: Curricular Integration- Storytelling
 - 8.a Lesson Description and Guided Practice
 - 8.b Modifications/ Extensions
 - 8.c Reflective Journal/ Forum Exercise
- Lesson 9: Curricular Integration- Word Families I
 - 9.a Lesson Description and Guided Practice
 - 9.b Modifications/ Extensions
 - 9.c Reflective Journal/ Forum Exercise
- Lesson 10: Curricular Integration- Word Families II
 - 10.a Lesson Description and Guided Practice
 - 10.b Modifications/ Extensions
 - 10.c Reflective Journal/ Forum Exercise
- Lesson 11: Curricular Integration - Vocabulary
 - 11.a Lesson Description and Guided Practice
 - 11.b Modifications/ Extensions
 - 11.c Reflective Journal/ Forum Exercise
- Lesson 12: Curricular Integration- Create and Implement Your Own Lesson
 - 12.a Create and Teach a Lesson
 - 12.b Reflective Journal/ Forum Exercise
- Post Survey
- Evaluation
- Final Exam

Course Access:

Upon enrollment, you have 180 days to complete your online course in our [eClassroom](#). If you have any questions about course access, please email support@cecreditsonline.org, create a customer service ticket in the LMS, or call [425-788-7275](tel:425-788-7275) extension 104.

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.