

Course Name: IntegrateOnline 120: The Internet and Technology Integration for Educators

Course Description

This course is designed to provide educators with an in-depth understanding of how to use technology as a seamless part of the teaching and learning experience. This self-paced, interactive course enables busy educators to train at their own pace, whenever and wherever they have access to a computer with an Internet connection. Educators immerse themselves in learning how computers and multimedia technology can be incorporated into the classroom through standards-based instruction.

This course is open to all K-12 personnel. There are no prerequisites for this course.

Course Goal

There are two sections of this introductory course, designed to introduce the Internet as a classroom tool for research, communication, and collaboration. Netscape and Internet Explorer are covered for both MAC and PC users. Teachers will take the skills developed during this course back into their perspective classrooms and apply them as appropriate to enhance their curricula.

Course Objectives

1. IntegrateOnline 100 - Mac/PC - Introduction to Technology for Teaching and Learning

Participants will learn:

- the definition of technology integration
- about National Educational Technology Standards
- about student-centered learning
- about project-based and inquiry-based learning
- teaching strategies for technology integration
- how to evaluate software
- how to optimize technology configurations
- how to use technology effectively
- about ergonomics and healthy computing
- how to evaluate the use of technology in assessments
- about data driven decision making
- how technology can enhance productivity and professional practice
- the benefits of collaborative teaching
- fair use guidelines of multimedia
- about software piracy
- about technology and diversity

2. IntegrateOnline 120 Part 1 and Part 2 - Mac/PC - Technology Integration with the Internet

Participants will learn:

- how the Internet works.
- about Internet Service Providers.
- how to block inappropriate content.
- how to protect computers from viruses.

- differences between Netscape and Internet Explorer.
- to choose a search engine.
- to evaluate Internet research strategies.
- to quote and cite sources.
- Internet etiquette.
- to send and receive email.
- to attach files to email messages.
- to use a browser-based chat room.
- to create KeyPals.
- to download a media player.
- to use Internet radio.
- to create and use “Favorites.”
- to save text and graphics from a Web page.
- to use the History button.
- set-up procedures for video conferencing.
- to use online whiteboards.
- to use multimedia – audio and video.
- to subscribe and post to mailing lists and newsgroups.

Learner Outcomes:

By the end of this course, participants will be able to:

- Effectively and seamlessly integrate technology into the teaching process
- Accommodate multiple learning styles through enhancing the curricula with multimedia, visual demonstrations, and interactive hands-on, technology-based projects.
- Have the confidence in their ability to use the technology-based tools provided by schools
- Use technology to motivate students and increase student achievement

Course Requirements

Full Integrate Diagnostic Assessment	1.5 hours
IntegrateOnline 100 - Mac/PC - Introduction to Technology for Teaching and Learning	5 hours
IntegrateOnline 120 Part 1 - Mac/PC - Technology Integration with the Internet	5 hours
IntegrateOnline 120 Part 2 - Mac/PC - Technology Integration with the Internet	5 hours
Full Integrate Post Assessment	1.5 hours
Lesson Plan Creation & Implementation	10 hours
Reflective Essays	<u>2 hours</u>
 Total Hours	 30 hours

Portfolio Requirements

- Full Integrate diagnostic and post assessment results
- Verification of course participation through a time log
- A reflective essay explaining how course participation influenced the way technology will be integrated into classroom practice
- A technology-rich lesson plan to be implemented in the participant’s class
- After implementing the lesson plan in a classroom they will add three samples of student work resulting from the implementation of the lesson plan
- A reflective essay evaluating the success of the lesson plan implementation

- An essay outlining the next steps for individual technology-related professional development

Credits Available

2 (Two)

Grading Criteria

Pass/Fail

Submitted work will be evaluated using assessment rubrics. Teachers whose portfolios and time logs are approved will earn PDE credit.