

Title

Leveraging Smart and Social Digital Media in the Classroom

Target Audience

This course is intended for pre-service and in-service teachers of grades K-12.

Course Hours

This course is scheduled to take approximately 30 hours to complete. Each session spans one week. The number of hours identified for each session reflects time spent online, but does not reflect the total time spent completing offline coursework and assignments. All learners are different and some may spend double the indicated number of hours completing all coursework depending on learning styles and work habits.

Prerequisites

To successfully participate and complete the assignments in this course, the learner must:

- Have past experience using the classroom computer.
- Have past experience working with the Internet.
- Be familiar with taking an online course or have completed the PBS “Practice Learning Online with TeacherLine” course.
- Be familiar with elementary, middle, or high school educational content.
- Have access to a classroom or group of students in order to complete an implementation.

Course Description

While we may use technology on a daily basis outside of the school day, integrating its use into the classroom for the first time can be a daunting task. Using the Common Core State Standards as a blueprint for the use of digital media in the curriculum, this course will enable you to help your students use technology in ways that develop 21st century skills—including creativity, communication, collaboration, and problem solving. You will explore classrooms and schools that are effectively integrating computers and mobile devices; work with digital tools and web-based software; and develop a technology integration plan that enables your students to leverage current technology for academic success.

Instructor/Facilitator

See instructor/facilitator sheet.

Credits

To be determined by college or university

Goals



The overall goal of this course is for learners to know and understand how technology can be integrated into the elementary, middle, and high school classroom in order to meet curriculum goals and develop skills for the 21st century, such as creativity, communication, collaboration, and problem solving.

By the end of this course, learners will:

- Understand what 21st century skills are and their role in teaching and learning for tomorrow.
- Understanding the importance of assessing student technology knowledge and usage in order to effectively plan for the use of technology.
- Know and understand how online tools can be integrated into the classroom curriculum in order to meet standards of learning and develop creativity.
- Identify digital media projects and tools that help to meet 21st century skills and curriculum standards.
- Know and understand how to develop a meaningful technology integration plan.

Outline of Content and Assignments

After previewing the documents in the Course Information area, learners will proceed to Course Content to complete the subsequent six sessions, working through each session in order. Throughout the sessions, learners are asked to articulate their ideas in various forms: they are encouraged to reflect on their ideas and experiences in their online journal, and the discussions in the discussion forum are designed to allow learners to glean information from other learners' experiences. As a course project, learners will create a classroom technology action plan presenting ways they will integrate technology into their classrooms.

This course is designed to address ISTE's *Educational Technology Standards and Performance Indicators for All Teachers*. These standards define the fundamental concepts, knowledge, skills, and attitudes for applying technology in educational settings.

This course specifically addresses the following ISTE NETS*T:

1 (a, b, c, d); 2 (a, b, c); 3 (b, c); 4 (c); & 5 (a, b, c, d)

Visit <http://www.iste.org/standards/nets-for-teachers.aspx> for a full list of the ISTE's *National Educational Technology Standards (NETS•T) and Performance Indicators for Teachers* and more information about these standards.

Session 1: Making Way for Technology

In this session, learners will explore the technological world of today, the kinds of learning needed to prepare students for the 21st century, and effective standards and practices for integrating technology. After reviewing various resources and discussing why certain skills that are not new to education are now considered skills of the 21st century, they will review national technology standards and profiles, identify those that they want to integrate into the classroom, and reflect on the impact of 21st century skills on their classroom curriculum. They will begin the course by defining their own professional goals and expectations, explaining their prior knowledge on the topic, and introducing themselves to fellow learners.

Learners will:

- Define their professional goals and expectations for this course.
- Explain their prior knowledge and experiences about integrating technology into the curriculum.

- Discuss why creativity, critical thinking, problem solving, communication, and collaboration are considered critical skills for instruction.
- Identify three goals that will be the focus of technology integration in their classroom, along with a rationale for why they have been selected.
- Reflect on the impact the integration of 21st century skills have on teaching and learning in their classroom.

Read

- "Why Integrate Technology into the Curriculum? The Reasons are Many"
- The Partnership for 21st Century Skills
- "P21 Framework Definitions"
- "Digital Natives, Or Digital Citizens?"
- "The 90-9-1 Principle"
- "Why Creativity Now? A Conversation with Sir Ken Robinson"
- *National Educational Technology Standards for Students 2007* (NETS*S)
- "NETS for Students 2007 Profiles"
- Learning and Innovation Skills

View Videos

- "A Vision of K-12 Students Today"
- "TEDxNYED: Will Richardson - 03/05/2011"

Write in Online Journal

- Reflect on expectations for the course.
- Reflect on prior knowledge and experiences related to the use and integration of technology in the classroom.
- Reflect on the impact of technology standards and 21st century skills.

Participate in Online Discussions

- Introduce themselves to other learners.
- Discuss why certain skills are considered skills critical to develop in students of today.

Complete Activities and Assignments

- Technology Goals Assignment

Session 2: Organizing the Groundwork

In this session, learners will first explore ways that educators use technology in this country in comparison to individuals who are not educators. Then they will listen to students explain the impact technology has on their lives and discuss how this affects the school culture. They will create a technology survey that will help them to understand how students use technology, and they will implement the survey in their classrooms by the end of Session 4. Finally, they will complete an inventory of the tools they have available for students to use and after exploring videos of how teachers innovate with technology, begin to think about the role technology will play in the classroom.

Learners will:

- Discuss how media impacts the lives of K-12 students, their parents, and teachers and influences school culture.
- Create a student technology survey about technology ownership and use that will be



- implemented in the classroom by the end of this course.
- Reflect on the types of projects and lessons they would like to incorporate into their classroom technology focus and identify the roles that creativity and 21st century curriculum goals will play.

Read

- "The 33 Digital Skills Every Teacher Should Have!"
- "Who Are Today's Learners?"

View Videos

- "Connected Culture Parent/Teacher Intro Video"
- "Life in a Connected Culture"
- "Common Sense Report on Children's Media in America"

Write in Online Journal

- Reflect on projects and lessons to incorporate into a classroom technology focus.

Participate in Online Discussions

- Discuss the impact of digital media.

Complete Activities and Assignments

- Classroom Technology Inventory Activity
- Explore the Possibilities Activity (review PBS Teachers Innovation Awards)
- Student Technology Survey Assignment

Session 3: Meaningful 21st Century Learning

In this session, learners will explore findings about student use of technology and what educators feel students need to learn, and then discuss why in this connected 24/7 world, it is important to integrate technology into the school day. Then, they will explore how learning is enhanced and made more meaningful through the use of technology. Finally, they will learn about tools and devices that will support classroom publishing.

Learners will:

- Justify the integration of technology and lessons about technology into the classroom against the argument that children have enough technology in their lives and its use in school is unnecessary.
- Identify the match between the curriculum standards they are required to follow and the integration of technology into their classroom curriculum.

Read

- "Not All Today's Students are 'Tech-Savvy'"
- "A Vision of Students Today (and what Teachers Must Do)"
- "The Myth of the Digital Native"
- "Asking the Right Questions"
- "Taking a Sip"
- "It's the Learning, Not the Technology—Jessica K. Parker"
- The Common Core State Standards Initiative
- "A Space for Writing without Writing"
- "Blogging with Elementary School Students"
- "Digital Discussions: Take your Class to the Internet"



- "Blogs Give Students an Audience"
- "Blogs, Blogs Everywhere—Does Everyone Need an Internet Journal?"
- "Wiki Nation"
- "The Way of the Wiki: Building Online Creativity and Cooperation"
- "Wiki Woman: How a Web server Tool Saved My Career"

View Videos

- "A Vision of Students Today (and what Teachers Must Do)"
- "It's the Learning, Not the Technology—Jessica K. Parker"
- "Webloggs"
- "Wikis in Plain English"

Write in Online Journal

- Reflect on technology in the curriculum standards.

Participate in Online Discussions

- Discuss justifying the use of technology in the classroom.

Session 4: Tools and Web Technologies

In this session, learners will learn about Web 2.0 as they continue to explore tools that can support classroom projects and students' 21st century skills. They will learn about mobile computing devices, such as tablets and smart phones, and the various programs such as BYOD (Bring Your Own Device) that schools across the country are implementing.

Learners will:

- Explain how student digital portfolios present a picture of meaningful learning and the value of having students engage in the creation of multimedia projects.
- Identify classroom strategies for using mobile devices to support differentiated instruction.
- Review and analyze two online web publishing tools and identify how teachers and students can use them to reflect, connect, and learn.

Read

- "Digital Portfolios"
- "How the iPad is Changing Education"
- "Mobile Learning Technologies for 21st Century Classrooms"
- "How Teachers Make Cell Phones Work in the Classroom"
- "Amidst a Mobile Revolution in Schools, Will an Old Teaching Tactic work?"
- "Why I Still Want MS and HS to Have a Laptop"

View Videos

- "The Machine is Us/ing Us"
- "Free Online Resources Engage Elementary Kids (Tech2Learn Series)"
- "BYOD: Bring Your Own Device to School Initiative"
- "Bring Your Own Technology to School from NBC5"

Write in Online Journal

- Reflect on supporting differentiated instruction through mobile devices.

Participate in Online Discussions

- Discuss Student Digital Portfolios.

Complete Activities and Assignments

- Student Technology Survey Implementation Activity
- Classroom Web Tools Review Assignment

Session 5: Planning for Technology

In this session, learners will discuss the results of their student technology survey with fellow learners. Then, they will explore the use of social media guidelines and acceptable use policies, reflect on the policies within their own school or school system, and work on their course project, which will be due by the end of this session.

Learners will:

- Discuss and analyze how student use of technology outside of school impacts planning to use technology in the classroom.
- Evaluate their school's policies on media usage.
- Develop a classroom technology action plan that addresses 21st century skills. (Course Project)

Read

- "In Search of Appropriate Usage Guidelines"
- "Digital Citizenship: Addressing Appropriate Technology Behavior"
- "Teacher Blog Controversy in Pennsylvania Points to Need for Social Media Guidelines"
- "Social Media Guidelines for Schools"
- "Reflecting on my iPad Grant Thus Far... A Story of Celebrating Failure"

Write in Online Journal

- Reflect on your school's Acceptable Use and/or Social Media Policies.

Participate in Online Discussions

- Discuss how the students' use of technology outside of school impacts plans for implementing technology in the classroom.

Complete Activities and Assignments

- Acceptable Use Policy/Social Media Guidelines Activity
- Course Project: Classroom Technology Action Plan

Session 6: A Vision of Classroom Technology Integration

In this session, learners will have the opportunity to explore projects created by their fellow learners and write a reflection paper about integrating technology into the classroom.

Learners will:

- Review and provide feedback on two course projects.
- Reflect on their course project and analyze their future goals for technology integration.
- Discuss what schools must do to prepare students for the future.
- Assess their learning in this course by comparing their prior knowledge and acquired knowledge.
- Analyze the learning experience in this course by reflecting on their professional goals and expectations.

View Videos

- "TEDxNYED – Heidi Hayes Jacobs – 03/05/2011"

Write in Online Journal

- Reflect on acquired knowledge.
- Reflect on professional goals and expectations.

Participate in Online Discussions

- Discuss what schools must do in order to modernize the curriculum.

Complete Activities and Assignments

- Peer Review of Course Projects
- Technology Action Plan Reflection Assignment
- Post-Course Evaluation Survey

Schedule

This course is scheduled to take approximately 30 hours to complete readings, activities, videos, assignments, reflections, and a course project.

Requirements

Learners are expected to:

- Complete all assignments.
- Maintain an online journal.
- Participate and actively engage in discussions with fellow learners while contributing to the construction of knowledge.
- Be self-directed and self-motivated.
- Ask for assistance when they need it.

Materials (hardware, software, plug-ins)

Technical Requirements

- Word processor
- Internet service provider
- E-mail

Academic Dishonesty Policy

To be inserted by university institution only

Evaluation

This course is evaluated on a letter grade basis, and may be available for graduate credit. See graduate credit details pertaining to specific graduate credit institutions.

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