iPads in Education
A Building Block for 21st Century Education

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Length: 45 Hours
Number of Professional Development Credits: 3, from the University of North Dakota
Online Course

Introduction

There is much that has been said about the iPad and how this technology can make a difference to teaching and the classroom. Its design, functionality and capabilities certainly offer lots of possibilities for the education arena; however how effective is the iPad as a teaching tool? This course explores how the iPad works and looks at the huge realm of apps, and links the technology with your school's curriculum.

You will be provided with opportunities to:

- Explore how iPads work and uncover the hidden uses of the iPad.
- Understand how iPad apps can reflect the *Common Core Standards* and learning outcomes.
- Learn how to incorporate iPads into your daily lesson plans.
- Develop the use of iPad apps as an assessment tool.
- Develop the concept of what an iPad classroom can look like.
- Appreciate the benefits for students.

Our iPad course is different from any other, it not only provides instruction on apps and how to use them; it demonstrates how using the iPad and apps can be implemented into the *Core Standards*; and then links the *Core Standards* to classroom content through providing opportunities for practical lesson design and assessment.

Course Objectives

You will discover:

- Why iPads are effective in the classroom and why they are beneficial for students.
- The student's perspective on iPads… Why kids like them.
- An understanding of *Bloom's Digital Taxonomy* and a direct correlation to iPad and app practice in the classroom.
- How to incorporate *Bloom's Digital Taxonomy's* learning objectives into your lesson outline using the iPad and iPad apps.
- Practical links, ideas, and suggestions for how you can create your own iPad 'classroom'.
- An understanding of the *Core Standards* and the development of strategies for integrating *Core Standards* into all classroom planning, to include using the iPad as a teaching tool.
- An understanding of how using the iPads in the classroom can meet the long term goals of *The Standards.*

Session Topics

1. How to organize your iPad.
2. Settings, security and childproofing.
3. Building relationships with parents and staff.
4. Using iPads for Flip Teaching.
5. iPads in the classroom.
6. iPads and the curriculum - English – Reading.
7. iPads and the curriculum - English – Writing, and Speaking and Listening.
8. iPads and the curriculum – Math.

9. Apps for Literacy.
10. Apps for Numeracy.
11. Apps in other curriculum areas.
12. How to search for apps.

Methods of Instruction will include:
- Individual lessons.
- Multiple-choice quizzes.
- Assignments.
- Video, iPad resources and apps.
- Web links.
- Optional essay for further study.

Text and/or Other Materials
Video, screen captures, multiple-choice quizzes, web links and links to apps are provided by the instructor in this online course. There are NO required textbooks.

Assignments
This course has eleven assignments. The course includes eleven multiple-choice quizzes. There are eleven optional essays in each lesson category for extra extension and study.

Percentage of Course Credit
Quizzes: 100%
Assignments: Mandatory - but ungraded.

OUTLINE OF COURSE

Lesson One - Starting out
- An understanding of why iPads are effective in the classroom and why they are beneficial for students.
- The student's perspective on iPads. Why do kids like them?
- An understanding of *Bloom's Digital Taxonomy* and a direct correlation to iPad and apps in the classroom.
- How to incorporate *Bloom's Taxonomy's* learning objectives into your lesson outline using the iPad and iPad apps.
- Practical links, ideas and suggestions for how you can create your own iPad classroom.

Lesson Two - Settings, security and childproofing
- Develop an awareness of the settings icon on the iPad and learn how to use settings to childproof the iPad in school arenas.
- Learn how to make the iPad more secure and child friendly.
- Understand the importance of creating an iPad Policy for the school and your classroom.
- Have the skills and knowledge to write an iPad Policy for your classroom.

Lesson Three - Apps, photos and screenshots
- Learn how to search for apps that are suitable for your classroom needs.
- How to fix problems that occur with apps.
- How to take screenshots on the iPad and how teachers can use screenshots for record keeping and assessment.
- How to transfer photos onto your iPad from a camera memory card, or directly from a PC or other device.
- Develop an understanding of why using photos in lessons can be valuable and ideas on how to use photos in lessons.
- Gain awareness on the types of apps that utilize photos.
- Ideas on how to use photos within lessons.

Lesson Four - Using iPads for Flip Teaching
- What is a 'flipped class'?
- The iPad and Flip Teaching.
- Screencasting using iPads.

- Augmentative reality apps.
- Videos and animation in apps.

Lesson Five - iPads in the classroom
- Teachers will learn how to organize their iPad apps into folders/sections and understand why it is important for classroom organization.
- To learn how to create home screen icons for important websites on the iPad.
- To understand how the iCloud works and why the iCloud is important for classroom management of iPads.

Lesson Six - iPads and the curriculum - English and Reading
- Develop an understanding of the *Core Standards* and develop strategies for integrating these standards into all classroom planning including and especially using the iPad as a teaching tool.
- Links to the *Core Standards* and how *The Standards* should be considered when considering lesson content using iPads and apps.
- Provides a brief overview on the long term goals of *The Standards* and the importance of their introduction into American education.
- How using the iPads in the classroom can meet these goals.
- *College and Career Readiness Anchor Standards for Reading*, and the types of apps that can be utilized to develop these standards.
- Understand what the 3 strands of the *Literacy Core Standards* are and how they correlate to become the *English Core Standards.*

Lesson Seven - iPads and the curriculum - English, Writing, and Speaking and Listening
- For teachers to understand *The Standards for Writing*, what students should be able to do by the end of each grade, and how using the iPad can assist in meeting *College and Career Readiness Anchor Standards for Writing.*
- Be aware of the types of apps that can be utilized to develop *The Standards for Writing.*
- For teachers to understand *The Standards for Speaking and Listening*, what students should be able to do by the end of each grade, and how using the iPad can assist in meeting *College and Career Readiness Anchor Standards for Speaking and Listening.*
- Be aware of the types of apps that can be utilized to develop *The Standards for Speaking and Listening.*
- The opportunity to create writing lessons using iPads and apps, ensuring *The Standards* are the basis for the lesson content.
- Be able to develop lesson outlines with *The Standards* as the foundation for all curriculum planning.

Lesson Eight - iPads and the curriculum – Math
- Have an awareness of the expectations of 'practices and proficiencies' in the *Mathematics Standards* and what types of iPad apps can be used to demonstrate the qualities required in each section.
- Be exposed to a range of iPad Math apps from P-12.
- Be able to take any of the 'practices' within the *Core Standards for Mathematics* and be able to create a Math lesson using any Math iPad app.
- Understand and develop your own understanding of how *The Standards* will affect and improve your teaching and whether the iPad and the many Math apps will add to this understanding.
- Be able to develop Math lessons/curriculum using the iPad and iPad apps being mindful of *The Standards.*

Lesson Nine - Apps for Literacy
- Develop an understanding of why Reading, Writing, and Speaking and Listening apps are important in your Literacy program.
- Be aware of what kinds of classroom experiences can be provided using iPad apps in all three areas.
- Be exposed to a range of apps that can be used in the Reading, Writing, and Speaking and Listening program for all ages.

- Have experience in creating lesson content integrating iPad apps.
- To think about how using the iPad and apps from the students' perspective.

Lesson Ten - Apps for Numeracy
- Learn and identify key points in Mathematics according to *The Standards.*

- Become aware of the types of apps that exemplify *The Standards* as they encompass one or more of the key points.
- Be exposed to how to use the iPad apps with direct links to YouTube videos that provide reviews or explanations on how to use specific apps.
- Be provided with opportunities to use the apps to create lesson and curriculum ideas.
- Be able to observe what other schools have achieved using iPads in their classroom with direct links to websites, blogs and YouTube videos.

Lesson Eleven - Other educational iPad apps
- Experience a range of apps in other curriculum areas such as History, Geography, Science, Art and Music.
- Gain an understanding of the 'agile space' and how this relates to iPad technology and the curriculum.
- Be exposed to how to use iPad apps in other curriculum areas with direct links to YouTube videos that provide reviews or explanations on how to use these apps.
- Gain knowledge about apps that can be used across many curriculum areas.
- Explore apps that can be used by the teacher in the classroom as a testing and quiz tool.
- Provides you with an opportunity to design lesson content in other curriculum areas utilizing the iPad and iPad apps.
- Understand what it means to be digitally creative and reflect on how to evolve and improve one's individual teaching methods and experiences.

Lesson Twelve - How to search for apps
- Know how to search for and choose apps for your specific classroom needs.
- Understand the importance of evaluating apps for classroom use.
- Gain a profile of the types of apps especially sought after by educators.
- Practice completing an Evaluation Pro forma for assessing iPad apps as to the benefit for use in lessons.