

# Digital Technology in the Classroom



## Standards:

This course aligns to the INTASC Standards including Learner Development, Learning Differences, Learning Environments, Content Knowledge, Application of Content, Planning for Instruction and Instructional Strategies.

It also aligns to all of the McRel Teacher Evaluation Standards including Teacher Leadership, Diverse Learners, Teachers Know Content, Teachers Facilitate Learning and Teachers Analyze and Reflect.

Using technology to help students achieve specific classroom goals can be a challenge, not only because of the sheer variety of tools, but also because of innumerable safety concerns.

Technology tools and video resources in the classroom can be used to help students grasp key concepts, retain information, and enjoy learning. This course is designed to help teachers learn how to use existing videos as well as record, edit, create, embed, and share their own video lectures in the classroom. It looks at a range of mobile technology apps and assesses their safety. Full of strategies, tutorials, and tips, this course gives teachers resources that they can implement right away.



Certificate of  
Completion



100% Online



Quizzes

# Digital Technology in the Classroom

## Course Outline

### SECTION A: Videos in the Classroom

#### LESSON 1: Role of Videos in Education

- Research regarding role of videos in education
- Theoretical basis for introducing videos
- Impact of videos
- The elements, process, and implications of a Flipped Classroom
- Teaching approaches and how they incorporate videos

#### LESSON 2: Effective Use of Available Videos

- Types of videos
- Finding the appropriate video
- Video resources on the internet
- YouTube

#### LESSON 3: Creating Videos

- Teacher-created videos and their benefits
- Storyboarding
- Screencasting and camera recording
- Editing, uploading, and sharing videos
- Embedding videos
- Student-created videos and their benefits

#### LESSON 4: Considerations for Classroom Use

- Different ways of using videos in the classroom
- Considerations for video presentation
- Presenting effective video content
- Guidelines for choosing content
- Post-viewing activities for elementary, middle, and high schools
- Teacher reflection and effective feedback
- Copyright considerations

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## Course Outline

### SECTION B: Mobile Technology in the Classroom

#### LESSON 1: Learning with Mobile Devices

- Looking into the essential elements of mobile learning
- Considering the technological infrastructure requirements
- Understanding the SAMR model to mobile learning

#### LESSON 2: Mobile Learning Implementation Policies

- Creating policies for implementation of mobile learning
- Discussion of policies related to network accessibility, security, devices, and PD
- Analysis of the types of mobile learning programs in schools

#### LESSON 3: Smartphones and Tablets in the Classroom

- Getting students started with mobile technology in the classroom
- Introducing mobile devices in the classroom
- Using the different apps available with practical ideas for implementation

#### LESSON 4: Other Mobile Technology

- Motivating students from different backgrounds and with different disadvantages to enjoy reading using e-readers
- A discussion about how to derive the maximum benefits from portable media devices
- Ensuring students get a feel of the reality of what they study by introducing the concept of virtual reality through mobile devices



10 Hours  
of Learning



Convenient Access:  
Start Right Away



Resources & Tools for  
Professional Learning Plans