

# Technology Today



## Standards:

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

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

This course enables safe implementation of technology in classrooms and promotes effective learning.

The first section presents tools, techniques, and resources to advance technology skills.

The second section discusses integrating technology in a way that promotes learning without being a distraction.

The third section stresses the need to protect students from possible dangers in the online world.

This integrated course helps educators gain an extensive outlook on using technology effectively and safely.



Official Transcript:  
1 Semester Credit



100% Online



Quizzes and  
Course Action Plan

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## *Course Outline*

### SECTION A: Introduction to Technology

#### LESSON 1: Technology Basics

- Computer basics
- Email
- Benefits and harmful effects of technology
- Devices and gadgets for the classroom

#### LESSON 2: Platforms and Providers

- Spreadsheets and Word processing
- Presentation software
- Organization using cloud-based storage applications

#### LESSON 3: Interactive Technology

- Digital scavenger hunts
- Interactive quizzes and activities
- Design tools

#### LESSON 4: Types and Models of Learning

- Flipped and hybrid classrooms
- Learning Management Systems (LMS)
- Webinars and video conferencing tools

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## *Course Outline*

### SECTION B: Technology in the 21st Century Classroom

#### LESSON 1: Introduction

- The mindset behind using technology
- How learning environments and education have changed with technology
- Technology standards and essential conditions required for learning to take place while using technology

#### LESSON 2: Tool Set

- Classroom tools
- A code of conduct
- The need for parent education and learning to create a permission slip
- Integrating technology into the curriculum

#### LESSON 3: Skill Set

- The skill set required to succeed in the 21st century, and how these skills relate to technology
- Technology that teaches students how to create, connect, communicate, collaborate, and think critically
- Digital learning farms
- Roles students can take on while using technology in the classroom, including tutorial designers, official scribes, researchers, collaboration coordinators, contributors to society, and curriculum reviewers

#### LESSON 4: Mindset

- Digital literacies
- Literacy including basic literacy, information literacy, media literacy, visual literacy, global literacy and network literacy
- Ethical use of digital media
- Digital footprints

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## Course Outline

### SECTION C: Internet Safety in a Connected World

#### LESSON 1: Connecting on the Internet

- Social media
- Features and red flags of social media
- Posting and viewing photographs and videos safely
- Smart watches

#### LESSON 2: The Internet in Daily Life

- Diverse means of electronic communication
- Gaming and virtual worlds
- E-commerce and digital footprints
- Existing dangers
- Interactive scenarios:
- Handling peer pressure and secure chatting options

#### LESSON 3: Downloading from the Internet

- Shielding unauthorized copying and piracy
- Sending out files
- Plagiarism
- Software that harms computers and guidelines to prevent this

#### LESSON 4: Staying Safe on the Internet

- Online predators and their behaviors – grooming and gifting
- Cyberbullying: forms and effects
- Monitoring software and parental controls with usage agreements
- Reporting online crimes, gathering evidence, and calling for help

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