

21st Century K-12 Technology Staircase

Course Syllabus
3 Semester Credits



Course Objective & Learning Goals:

This course provides an overview of technology skill requirements that students face in academic standards and in 21st Century college expectations, careers, and civil life, and presents practical ways to effectively embed digital literacy and digital citizenship training in core content instruction. Participants are equipped to guide students not only to use technology, but also through technology usage, to enrich learning and promote mastery of core content standards.

Course Outline:

- Session # 1: Course Overview: The Technology Staircase in the 21st Century
- Session # 2: The First Step: Keyboarding
- Session # 3: The Second Step: Technology Usage for Gathering Information
- Session # 4: The Third Step: Technology Usage for Comprehending Information
- Session # 5: The Fourth Step: Evaluating Information
- Session # 6: The Fifth Step: Synthesizing Information
- Session # 7: The Sixth Step: Summarizing Information
- Session # 8: Increasing Rigor in Technology Instruction and Usage: Bloom's Technology
- Session # 9: Increasing Rigor in Technology Instruction and Usage: The SAMR Model
- Session # 10: Citizenship and Safety in the Digital World
- Session # 11: The Final Step: Lesson Planning for Guidance up the Technology Staircase
- Session # 12: Final Project: Course Summary/Presentation of Learning