21st Century K-12 Technology Staircase

3 P Credits offered through After School Professional Development Program (ASPDP)
36 Hours

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