

Course Title: Connecting Teachers with the Digital Student (15 Hours)

The following Standards are addressed in this Course:

NYS Learning Standards for Students

Technology Education

Standard 2 – Information Systems

Key Idea – 1 – Information technology is used to retrieve, process, and communicate information and as a tool to enhance learning

PI – use a variety of equipment and software packages to enter, process, display, and communicate in different forms using text, tables, pictures, and sound.

PI – telecommunicate a message to a distant location with teacher help.

PI – access needed information from printed media, electronic data bases, and community resources.

Key Idea – 2 – Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use.

PI – describe the uses of information systems in homes, schools and businesses.

PI – understand that computers are used to store personal information.

PI – demonstrate ability to evaluate information.

Key Idea – 3 – Information technology can have positive and negative impacts on society, depending upon how it is used.

PI – describe the uses of information systems in homes and schools.

PI – demonstrate ability to evaluate information critically

Standard 5 – Technology

Key Idea – 3 – Computers, as tools for design, modeling, information processing, communication, and system control have greatly increased human productivity and knowledge.

PI – use the computer as a tool for generating and drawing ideas.

PI – control computerized devices and systems through programming.

National Educational Technology Standards for Teachers (NETS-T)

Standard 2 – Planning and Designing Learning Environments and Experiences

PI – apply current research on teaching and learning with technology when planning learning environments and experiences.

Standard 5 – Productivity and Professional Practice

PI - continually evaluate and reflect on professional practice to make informed decisions regarding the use of technology in support of student learning.

Standard 3 – Teaching, Learning and the Curriculum

PI – use technology to support learner-centered strategies that address the diverse needs of students.

PI – manage student learning activities in a technology-enhanced environment.

Standard 6 – Ethical, Legal, and Human Issues

PI – apply technology resources to enable and empower learners with diverse backgrounds, characteristics, and abilities.

Week 1				
Outcome	Activities	Assessment	Standards	Seat Time Equivalent (Hours)
Participants will understand course expectations.	Review course road maps, assignments, rubrics and completion requirements.	Post in “I Have Read It” thread stating that all items have been read.	N/A	.25
Participants will get to know one another.	Complete the questions in the “Getting to Know You Activity” and share information in appropriate thread.	Document posted in “Getting to Know You” thread and discussion of answers with other participants.	N/A	.25
Participants will begin to understand the terms “digital immigrants” and “digital natives.”	Read article “Digital Immigrants and Digital Natives” and reflect on guided questions for the article.	Participant responses posted in “Digital Natives” thread as well as posting of comments to other participants.	National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. Standard 5 – Productivity and Professional Practice PI - continually evaluate and reflect on professional practice to make informed decisions regarding the use of technology in support of student learning. Standard 6 – Ethical, Legal, and Human Issues PI – apply technology resources to enable and empower learners with diverse backgrounds, characteristics, and abilities.	.75

Week 2				
Outcome	Activities	Assessment	Standards	Seat Time Equivalent (Hours)
Participants will begin to connect their teaching style to learning characteristics of Digital Natives.	Read article “Adopt and Adapt” and reflect on guided questions.	Participant responses posted in “Adopt and Adapt” thread as well as posting of comments to other participants.	National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. Standard 3 – Teaching, Learning and the Curriculum PI – use technology to support learner-centered strategies that address the diverse needs of students. PI – manage student learning activities in a technology-enhanced environment. Standard 5 – Productivity and Professional Practice PI - continually evaluate and reflect on professional practice to make informed decisions regarding the use of technology in support of student learning. Standard 6 – Ethical, Legal, and Human Issues PI – apply technology resources to enable and empower learners with diverse backgrounds, characteristics, and abilities.	.75
	Create list of observable “digital native” characteristics in the class you are currently teaching and a list of your own “digital immigrant” characteristics. Comment on the pairing of the two lists and the significance for teaching and learning in your classroom.	Participant responses posted in “Characteristics” thread and discussion with other participants.		.5
Participants will understand the connection between teaching modalities and retention in today’s students.	Review “The Learning Pyramid” and discuss the implications of this for your teaching and use of digital media in the classroom.	Participant responses posted in “Learning Pyramid” thread and discussion with other participants.	National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. Standard 3 – Teaching, Learning and the Curriculum PI – apply technology to develop students’ higher order skills and creativity.	.5

			<p>PI – telecommunicate a message to a distant location with teacher help.</p> <p>PI – access needed information from printed media, electronic data bases, and community resources.</p> <p>Key Idea – 2 – Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use.</p> <p>PI – describe the uses of information systems in homes, schools and businesses.</p> <p>PI – understand that computers are used to store personal information.</p> <p>PI – demonstrate ability to evaluate information.</p> <p>Key Idea – 3 – Information technology can have positive and negative impacts on society, depending upon how it is used.</p> <p>PI – describe the uses of information systems in homes and schools.</p> <p>PI – demonstrate ability to evaluate information critically</p> <p>Standard 5 – Technology</p> <p>Key Idea – 3 – Computers, as tools for design, modeling, information processing, communication, and system control have greatly increased human productivity and knowledge.</p> <p>PI – use the computer as a tool for generating and drawing ideas.</p> <p>PI – control computerized devices and systems through programming.</p>	
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Week 4				
Outcome	Activities	Assessment	Standards	Seat Time Equivalent (Hours)
Participants will continue to expand their scope of digital tools available.	<p>Check out three free online bookmark managers: murl.com, sitejot.com, and linkagogo.com. Evaluate these as possible tools for teachers and students.</p> <p>Search the Internet for digital tools which have not yet been discussed in previous assignments or which can be used in unique ways. Find at least three “new” tools and discuss how you might use them in your classroom. Evaluate at least two other tools introduced by other participants.</p> <p>Evaluate the educational uses of video email by viewing the library of videos created by teachers at viditalk.com (login will be supplied). Suggest possible additional uses of this digital tool.</p>	<p>Participant responses posted in “Bookmarks” thread and discussion with other participants.</p> <p>Participant search results posted in “New Tools” thread along with evaluation of other participants’ tools.</p> <p>Post evaluation and suggestions in “Video Email” thread.</p>	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 1 – Technology Operations and Concepts PI – demonstrate introductory knowledge, skills and understanding of concepts related to technology. PI – demonstrate continual growth in technology knowledge and skills to stay abreast of current and emerging technologies. Standard 2 – Planning and Designing Learning Environments and Experiences PI – identify and locate technology resources and evaluate them for accuracy and suitability.</p> <p>NYS Learning Standards – Technology Education Standard 2 – Information Systems Key Idea – 1 – Information technology is used to retrieve, process, and communicate information and as a tool to enhance learning PI – use a variety of equipment and software packages to enter, process, display, and communicate in different forms using text, tables, pictures, and sound. PI – telecommunicate a message to a distant location with teacher help. PI – access needed information from</p>	<p>1</p> <p>1.5</p> <p>1</p>

printed media, electronic data bases, and community resources.

Key Idea – 2 – Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use.

PI – describe the uses of information systems in homes, schools and businesses.

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Key Idea – 3 – Information technology can have positive and negative impacts on society, depending upon how it is used.

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Week 5				
Outcome	Activities	Assessment	Standards	Seat Time Equivalent (Hours)
Participants will begin to use digital natives as resource for learning digital tools.	Select one student in your current classroom to teach you about a digital tool that is new to you. Discuss the application of this for your teaching and learning and comment on the experience.	Participant responses posted in “New Learning” thread about their learning experience.	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. PI – identify and locate technology resources and evaluate them for accuracy and suitability.</p> <p>NYS Learning Standards – Technology Education Standard 5 – Technology Key Idea – 3 – Computers, as tools for design, modeling, information processing, communication, and system control have greatly increased human productivity and knowledge. PI – use the computer as a tool for generating and drawing ideas.</p>	.75
Participants will understand the extended scope of student Internet use.	Evaluate the following sites which are popular among many students: www.myspace.com and www.teenspot.com . Next check out these websites: http://cheater.com , http://homeworksucks.com , and http://website.coshe.com .	Participant comments posted in “Other Sites” thread.	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. PI – identify and locate technology resources and evaluate them for accuracy and suitability.</p> <p>NYS Learning Standards – Technology Education</p>	.75

			<p>Standard 5 – Technology Key Idea 1 – Technology can have positive and negative impacts on individuals, society and the environment. Humans have the capability and responsibility to constrain or promote technological development. PI – demonstrate that certain technologies have safety issues. Key Idea – 3 – Computers, as tools for design, modeling, information processing, communication, and system control have greatly increased human productivity and knowledge. PI – use the computer as a tool for generating and drawing ideas.</p>	
Participants will begin to incorporate new digital tools into lessons.	From all of the digital tools evaluated and learned, propose an idea for a lesson which incorporates one or more of these tools.	Participant proposal for lesson posted in “Lesson Plan Idea” thread and sharing ideas with other participants.	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 2 – Planning and Designing Learning Environments and Experiences PI – apply current research on teaching and learning with technology when planning learning environments and experiences. Standard 3 – Teaching, Learning and the Curriculum PI – use technology to support learner-centered strategies that address the diverse needs of students. PI – manage student learning activities in a technology-enhanced environment. Standard 5 – Productivity and Professional Practice PI - continually evaluate and reflect on professional practice to make informed decisions regarding the use of technology in support of student learning.</p>	.5

Week 6				
Outcome	Activities	Assessment	Standards	Seat Time Equivalent (Hours)
Participant will have a technology rich, engaging lesson for incorporation into classroom curriculum.	Fully develop the lesson plan proposed in Week 5. Discussion online will center on suggestions for improving all of the lessons posted.	Participant lesson posted in “Completed Plan” thread and revised as suggestions are made.	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 1 – Technology Operations and Concepts PI – demonstrate continual growth in technology knowledge and skills to stay abreast of current and emerging technologies.</p> <p>Standard 2 – Planning and Designing Learning Environments and Experiences PI – identify and locate technology resources and evaluate them for accuracy and suitability. PI – design developmentally appropriate learning opportunities that apply technology enhanced instructional strategies to support the diverse needs of students.</p>	2
Participant will have expanded their digital tools for reaching the digital natives in their classroom.	Based on what you have learned, revise your original list of digital tools and resources available to you for teaching and learning in your classroom.	Revised list posted in “New List” thread with commentary on how list has changed.	<p>National Educational Technology Standards for Teachers (NETS-T) Standard 1 – Technology Operations and Concepts PI – demonstrate continual growth in technology knowledge and skills to stay abreast of current and emerging technologies.</p> <p>Standard 2 – Planning and Designing Learning Environments and Experiences PI – identify and locate technology resources and evaluate them for accuracy and suitability.</p> <p>NYS Learning Standards – Technology Education Standard 2 – Information Systems Key Idea – 1 – Information technology is used to retrieve, process, and communicate information</p>	.25

			<p>and as a tool to enhance learning</p> <p>PI – use a variety of equipment and software packages to enter, process, display, and communicate in different forms using text, tables, pictures, and sound.</p> <p>PI – telecommunicate a message to a distant location with teacher help.</p> <p>PI – access needed information from printed media, electronic data bases, and community resources.</p> <p>Key Idea – 2 – Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use.</p> <p>PI – describe the uses of information systems in homes, schools and businesses.</p> <p>PI – understand that computers are used to store personal information.</p> <p>PI – demonstrate ability to evaluate information.</p> <p>Key Idea – 3 – Information technology can have positive and negative impacts on society, depending upon how it is used.</p> <p>PI – describe the uses of information systems in homes and schools.</p> <p>PI – demonstrate ability to evaluate information critically</p> <p>Standard 5 – Technology</p> <p>Key Idea – 3 – Computers, as tools for design, modeling, information processing, communication, and system control have greatly increased human productivity and knowledge.</p> <p>PI – use the computer as a tool for generating and drawing ideas.</p> <p>PI – control computerized devices and systems through programming.</p>	
Course Evaluation				.25