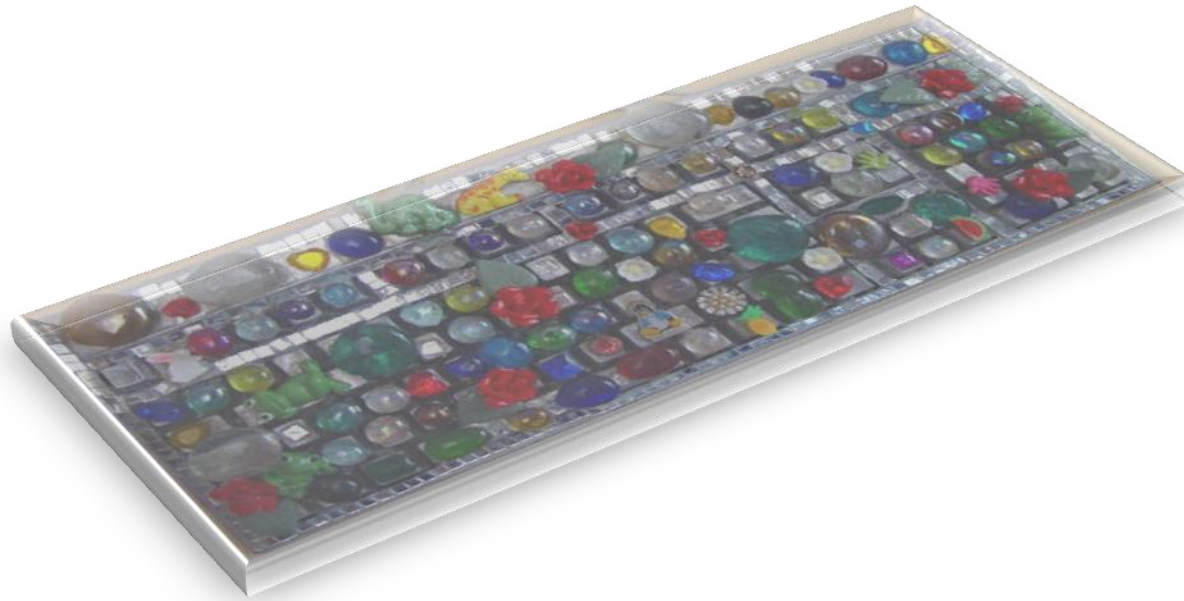Development Summary

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Web 2.0 tools, the Collaborative bridge between students and teachers to 21st Century Learning

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Purpose : The purpose of this training is to prepare teachers to meet the demands for technology integration within the classroom according to EETT program accountability and as defined by the Technology Integration Matrix (See http://fcit.usf.edu/matrix/).

Products

1. A set of Instructional Strategies
2. A summary of Supporting Media
3. Information to Guide the Student
4. Information to Guide the Teacher
5. Formative Evaluation Summary

A Set of Instructional Strategies

Title: Adapting activities into technology enriched learning.		
Event	**Instructional Strategy**	**Teacher or Student Action**
Gain Attention	Share video clips from Ferris Bueller's Day Off, History class scene and Video from interactive history classroom activity. Question: Which classroom activity would your students most enjoy?	Participants view videos and form opinion about the scenarios.
Objective	By the end of this lesson you should be able to: • adapt a lesson to integrate technology effectively according to the Technology Integration Matrix.	Instructor: Inform the students that they will be expected to adapt a current lesson.
Prior Knowledge	Before attempting this "instruction," participants should be able to: • Define the levels of technology integration as defined by the Technology Integration Matrix. • Personally assess current level of technology integration. • Identify possible areas for adaption of technology enriched learning.	Instructor: Show Prezi review of Technology Integration Matrix levels and classroom examples of integration.
Content	Using samples from previous training, show the participants examples of lesson activities without and with technology integration according to the Technology Integration Matrix.	Instructor: Show examples pre/post lesson activity technology integration.
Guided Practice	Using a sample lesson plan, show the participants how to: • Assess the current level of technology integration within the activities. • Identify possible areas for adaption of technology enriched learning.	Instructor: Model expected participant behavior.

	• Modify the lesson plan.	
Independent Practice	With your curriculum partner, select a lesson plan, and: • Assess the current level of technology integration within the activities. • Identify possible areas for adaption of technology enriched learning. • Modify the lesson plan.	Participants perform task.
Feedback	During independent practice, prompt learners when they make a mistake, congratulate them when they make integration decisions.	
Assessment	Participants will show lesson plans and as a group will rate integration using the Technology Integration Matrix.	Participants post examples on project Wiki.
Closure	Provide learners with reminders about Technology Integration Matrix website and examples, and the project Wiki.	Instructor posts points after participants post examples on project Wiki.

A Set of Instructional Strategies

	Title: Creating activities that provide technology enriched learning.	
Event	**Instructional Strategy**	**Teacher or Student Action**
Gain Attention	Share same video clips from Ferris Bueller's Day Off, History class scene and Video from interactive history classroom activity. Question: Which classroom activity would your students most enjoy? Are you creating lessons that are interactive and student centered?	Participants view videos and form opinion about their own lesson creating behaviors.
Objective	By the end of this lesson you should be able to: • Create a lesson that integrates technology effective according to the Technology Integration Matrix.	Instructor: Inform the students that they will be expected to create a lesson plan.
Prior Knowledge	Before attempting this "instruction," participants should be able to: • Personally access current level of technology integration as defined by the Technology Integration Matrix. • Identify possible areas for adaption of technology enriched learning. • Adapt lessons to integrate technology.	Instructor: Show lesson plans and their Technology Integration levels from the Matrix.
Content	Guest speaker demonstrates how to write lesson activities based on content standards that integrate technology at the transformative level according to the Technology Integration Matrix.	
Guided Practice	Using a sample content standard, show the participants how to write lesson activities that integrate technology at the transformative level according to the Technology Integration Matrix.	Instructor: Model expected participant behavior.

Independent Practice	With your curriculum partner, select a content standard and create a lesson plan with activities that integrate technology at the transformative level according to the Technology Integration Matrix.	Participants perform task.
Feedback	During independent practice, prompt learners with suggestions when they stall, and congratulate them for innovative ideas.	
Assessment	Participants will show lesson plans and as a group will rate integration using the Technology Integration Matrix.	Participants post examples on project Wiki.
Closure	Provide learners with reminders about Technology Integration Matrix website and examples, and the project Wiki.	Instructor post points after participants post examples on project Wiki.

A Summary of Supporting Media *(Part A)*

	Media that will be selected or developed to support the *Student.*
Visual	• Provide video examples of integration and non-integration. • Offer pdf of Technology Integration Matrix. • Prezi TIM presentation. • Lesson samples. • Project Wiki of examples and other participant work.
Auditory	• Provide audio throughout course. • Change narrator when quoting student samples. • Peer discussion. • Instructor feedback. • Guest speaker.
Kinesthetic	• Laptops for participants to adapt and create lesson plans. • Step by step guided instruction for initial lesson adaption and lesson creation. • Less structured guidance for independent practice.

A Summary of Supporting Media *(Part B)*

	Media that will be selected or developed to support the *Type of Learning*.
Knowledge	• Provide Prezi review of pre-requisite information. • Provide pdf of Technology Integration Matrix. • Show pre-post examples of technology integration. • Florida Center for Instructional Technology website for support materials.
Comprehension	• Show pre-post examples of technology integration. • Provide pdf of Technology Integration Matrix.
Application	• Provide example content standards for lesson creation. • Provide pdf of Technology Integration Matrix. • Model changing a lesson with technology integration. • Have participants infuse a lesson with technology integration.
Analysis	• Provide pdf of Technology Integration Matrix. • Provide video clips for activating strategy. • Provide Lesson plan examples of technology integration. • Show participants sample analysis of lesson plan and how to integrate technology. • Have participants infuse a lesson with technology integration.
Synthesis	• Provide Project Wiki for posting of integrated technology lessons. • Have participants create a lesson with technology integration.
Evaluation	• Have participants create a lesson from curriculum standard with integrated technology at the transformative level according to the Technology Integration Matrix.

Adapted from: Bloom, B.S. (Ed.) (1956) Taxonomy of educational objectives: The classification of educational goals: Handbook I, cognitive domain. New York; Toronto: Longmans, Green.

Information to Guide the Student

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Adapting lesson plans

Creating technology integrated lesson plans

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Special Instructions

This course of training is intended as a school site face-to-face offering with ongoing access for participants to the facilitator. In order to deliver online, a modification in content and delivery is necessary.

Currently, instruction in this area is limited to sporadic trainings offered at the whim of overworked volunteer technology coaches. This facilitation is an attempt to streamline the introduction of Web 2.0 and technology integration at the school site rather than district level.

Formative Evaluation Summary

Component	Problem	Data Source	Revision Decision
Purpose			
Goals			
Objectives			
Prerequisites	• Assumes participants have previously participated in TIM survey.	• Technology coaches • Administrator	• Add or adjust prerequisites based on pre-survey of participants.

Component	Problem	Data Source	Revision Decision
Instructional Strategies	• All activities confined to participation with curriculum partner.	• Participants	• Consult administrators for possible adjustment in strategies.
Testing Methods	• Mostly product creation.	• Participants • Administrator	• Incorporate some basic evaluative activities.
Information to Guide the Learner			
Information to Guide the Facilitator	Designed for an experienced instructor with many years experience writing lesson plans and integrating technology.	• Small group trial • Technology coaches	• Add prerequisite statement for facilitating this training.
Supporting Media	Authentic lesson plans may not suit the concentration area of participants	• Administrator	• Add more example lesson plans from a variety of content areas