

Designing Smart Board Activities That Promote Higher Level Thinking

(K-12 in-service credit- 15 hours)

INSTRUCTOR: GAIL M. SZELIGA

WEEK ONE - WELCOME				
OUTCOME	ASSESSMENT	ACTIVITY	NYS STANDARDS	TIME
Students will be familiar with each other.	Post to “ Electronic Name Badge” item	Respond to questions in Electronic Name Badge Assignment.	N/A	15 minutes
Students will develop a better understanding of the course.	Post to ‘Roadmap’ and ‘Policy’ thread on Discussion Board	Read ‘Roadmap’ and ‘Policy’	N/A	20 minutes
Students will be able to access News Forum, Opps I'm Late!, Chat Room, Help Central and Instructor Introduction	Post to verify that they have accessed the four assigned areas.	Access the Instructor Introduction, News Forum, Opps, I’m Late!, Chat Room, Help Central	N/A	35 minutes

WEEK ONE – UNDERSTANDING BLOOM’S REVISED TAXONOMY				
OUTCOME	ASSESSMENT	ACTIVITY	NYS STANDARDS	TIME
Participants will be able to explain the development and structure of Bloom’s revised taxonomy.	Assessment - group discussion via comments	Two readings Students will discuss their reaction to the readings.	ELA Standard 1: Students will read, write, listen, and speak for information and understanding.	20 min. 15 min
Participants will be able to apply information from their reading and differentiate between the categories of Bloom's Revised Taxonomy.	Assessment - result of an online quiz	Activity: Participants will take an online power point quiz.	ELA Standard 3: Students will read, write, listen, and speak for critical analysis and evaluation.	25 min
			Total for week:	2 hrs

WEEK TWO AND THREE – COGNITIVE TAXONOMY CIRCLE AND QUESTIONING				
OUTCOME	ASSESSMENT	ACTIVITY	NYS STANDARDS	TIME
Students will have a better understanding of their teaching as related to Bloom’s revised Taxonomy.	Edited Cognitive Taxonomy Circle projects	Students will complete a personal review of the Cognitive Taxonomy Circle.	MST Standard 7: Interdisciplinary Problem Solving Students will apply the knowledge and thinking skills of mathematics, science, and technology (plus other content areas) to address real-life problems and make informed decisions.	30 min.
Students will be able to relate verbs to each of six levels of Bloom’s Taxonomy.	Smart Notebook activity on verbs	View a Power point presentation on Bloom’s Taxonomy basics.	ELA Standard 1: Students will read, write, listen, and speak for information and understanding.	1 hr.
Students will understand the difference between questioning for Higher Order Thinking and questioning for Lower Order Thinking.	Smart Notebook activity related to the Virtual Gallery Walk.	Develop questions for a Virtual Gallery Walk to engage higher order thinking after viewing a questioning PowerPoint.	ELA Standard 3: Students will read, write, listen, and speak for critical analysis and evaluation.	1 hr.
			Total	2 hrs. 30 min.

WEEK FOUR AND FIVE – SCAFFOLDING AND RUBRIC				
OUTCOME	ASSESSMENT	ACTIVITY	NYS STANDARDS	TIME
Students will be able to demonstrate the progression of activity from Lower Level to Higher Level Thinking.	Bloom Matrix	Scaffold a topic associating an educational task to each level of Bloom's revised taxonomy. Upload the template to the forum.	MST Standard 7: Interdisciplinary Problem Solving Students will apply the knowledge and thinking skills of mathematics, science, and technology (plus other content areas) to address real-life problems and make informed decisions	1.75 hrs. .25 hrs.

A collaborative rubric will be developed.	Collaborative rubric	Use a “Wiki” to develop a checklist or rubric to use for evaluating existing SMART Notebook files.	ELA Standard 3: Students will read, write, listen, and speak for critical analysis and evaluation.	1 hrs.
			Total	3 hrs.

WEEK SIX AND SEVEN – EVALUATION AND FINAL PROJECT				
OUTCOME	ASSESSMENT	ACTIVITY	NYS STANDARDS	TIME
Students will be able to distinguish between Notebook lessons that strongly promote Higher Order Thinking and those that do not promote Higher Order Thinking.	Rubric score and comments	Using the rubric that the class developed, evaluate the effectiveness of two SMART notebook lessons in regard to their effectiveness in promoting Higher Order Thinking skills.	MST Standard 7: Interdisciplinary Problem Solving Students will apply the knowledge and thinking skills of mathematics, science, and technology (plus other content areas) to address real-life problems and make informed decisions.	2.0 hrs
Students will be able to apply their knowledge of Bloom’s Revised Taxonomy and develop Smart Notebook lessons that guide students towards Higher Order Thinking in a progressive and logical manner.	Final Smart Notebook lessons	Using a "Planning Document", students will develop two SMART Notebooks on the topics of their choice for publication. Students will upload completed SMART Notebook files.	MST Standard 7: Interdisciplinary Problem Solving Students will apply the knowledge and thinking skills of mathematics, science, and technology (plus other content areas) to address real-life problems and make informed decisions.	5.5 hrs.
Student evaluates the course.	Course evaluation submitted.	Evaluation		.25 hrs. .75 hrs.
			Total	8.5 hrs
			COURSE TOTAL	15 Hours

