

Designing SMART Board Activities to Promote Higher Order Thinking

Dates of Course

March 17 to May 5, 2010

Course Description

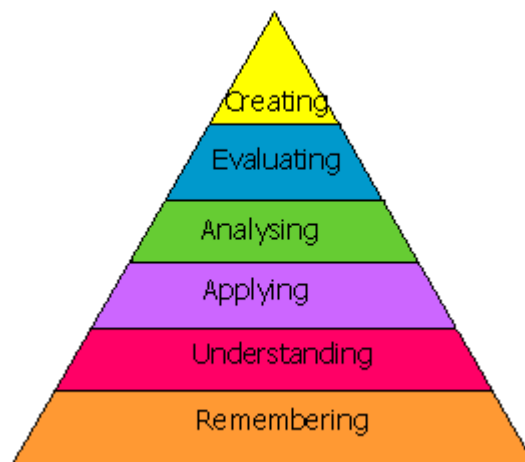
A Smart Board, when used effectively, can be a powerful learning tool that challenges and develops students' thinking. This course will focus on designing content specific activities for the Smart Board that not only promote interactivity, but also promote higher order thinking ("HOT") skills and creativity. Participants will be using Smart Notebook software along with other resources such as interactive websites, images, documents and digital video clips and flash files. Basic knowledge of Smart Notebook software is required. Access to a Smart Board is not necessary.

Major Learning Objectives:

On successful completion of this online course, students will be able to:

Define the major components of Higher Order Thinking as illustrated in Bloom's Revised Taxonomy, which was updated in the 1990's reflecting relevance to 21st century work.

Organize a topic using the six levels of Bloom's Revised Taxonomy - see below:



Analyze Smart Notebook lessons according to a developed "HOT" skills rubric.

Revamp existing Smart Notebook lessons to focus on "HOT" skills. Move the lesson from simply *remembering* (i.e. label, list, match) to activities that help pupils *analyze and evaluate and create*.

Create original integrated Smart Notebook lessons that incorporate "HOT" skills.

NYS Learning Standards Addressed:

- 1) **ELA Standard 1:** Students will read, write, listen, and speak for information and understanding.
- 2) **ELA Standard 3:** Students will read, write, listen, and speak for critical analysis and evaluation.

3) **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

Instructor Information

As certified Smart Board master trainer I have done extensive teacher training through my own teacher center and other teacher centers in the Southern Tier. I believe that the Smart Board has huge potential to make a difference in teaching and learning if it is used as a tool to improve a teacher's teaching and student's understanding of information.

Gail Szeliga
Director, Teacher Center of Broome County
teacher.center@gmail.com
607-763-3282

Prerequisite Skills/Requirements

- 1) Students should know how to use Microsoft Word (Mac or Windows)- creating, attaching, and downloading documents.
- 2) Students should have a basic knowledge of SMART Notebook software
- 3) Students should be able to access the Internet and use e-mail.

Software Requirements

Students will be using:

- 1) Adobe Reader - Free
- 2) Microsoft Word
- 3) Smart Notebook 10 Software

In-service Credit Recommendation:

Recommendations will be made for 15-hours (1 In-Service Credit) for the course upon the successful completion of all assignments in the course.