



Course Follow-up Activities

Science and CSI: Weaving Science and Math Into Lessons That Teach Kids To Think – Shannon C’de Baca

Note: It is recommended that participants in the video course complete follow-up activities to deepen their knowledge and skills. When these activities are completed in accordance with local staff development guidelines, participants may be able to earn additional professional development credit. Contact your local staff development office for determining how you might receive credit for completing the video program and additional credit for completing follow-up activities.

You will need to print out **all the handouts** to use with these follow-up activities.

Activity 1: Share Presentation with Peers

A Study Group or work team is a great way to share information and to learn new things in a collaborative way. This structure brings a greater professionalism to the group. Each person grows from the experiment if they contribute to the total outcome of the process, which should be to increase teacher effectiveness, knowledge, and skill. You may access web links to learn more about forming study groups by going to the resources page for this program.

The presentation provided information on using the concept of the TV program Crime Scene Investigation – CSI to design a course that explores science and math content areas by using investigative methods. Student involvement and participation were outcomes of the use of these methods in the presenter’s classrooms. Several activities were shared and some were experienced by the participants in the video. Sharing training experiences with peers is a great way to practice what you have learned as well as internalizing the strategies that were shown.

Use the PowerPoint and the handout pages and make the slide presentation to a group of your peers as part of a study group activity. Print out the handouts provided on this website for this program and choose one of the activities to replicate with your peers. The suggested activity is the Mystery Objects activity. As mentioned in the video, you can collect the objects in several ways. You can ask students or your peers to bring in objects for use in the activity, the more bizarre or different the better. This promotes more discussion about what the object is and what it can be used for. Follow the process demonstrated in the video and replicate the Mystery Object Activity.

You may print out the slide pages of those particular reports as handouts in your session. You may want to use a chart and stand to record participant responses to the questions about the reports. Make comparison and talk about what responses are gathered as a group. Please answer the questions for Activity 1 and share the results of this session with your professional development director as part of your follow-up activity.

Activity 1 Questions:

1. How did participants describe their investigation of the structure of the mystery objects?
2. How did participants describe their hypothesis about the object's function?
3. Describe how participants used evidence to defend their position about the function of the objects.

Activity 2: Web Exploration

There are many web links mentioned in the presentation and listed on the resource pages of this course website. Search for some resources or materials from these sites and describe how you would develop a lesson activity using those resources to support your strategy of using CSI in the classroom.

Describe your lesson by elaborating on:

Lesson materials used and source web site

Objective of the lesson

Strategies that will be used

Assessment techniques that will be used

Ways you can build on this lesson for further growth in student understanding

If you are able to implement this lesson please describe the results.

When completing all the activities, submit your materials to your professional development director for consideration of points for recertification purposes or professional development credit.