Effectively Expressing Solutions

Grade 6: Approximately 3 Days

Objectives:	Students will be able to research a topic that has been studied and will have to express in detail, why the solution turns out the way it should be by… (1)Downloading the SMUB.IT bookmark tool. (2) Create and give a presentation about the topic that has been studied. (3) Symbolically show why and how the solution turns out the way it does.
Concepts Taught:	Students will use the internet to research their specific topic of their choice. While researching, the students will use the SMUB.IT tool to bookmark important information that has been found. This information will then be used in the presentation that they create to give to the class.
Standards[1]:	Standard: Students make decisions about how to approach problems and communicate their ideas. • 6.7.5: Express solutions clearly and logically by using the appropriate mathematical terms and notation. Support solutions with evidence in both verbal and symbolic work.
Procedures:	**1. In preparation:** • Sign Up for and account at www.ning.com • Once there, create an account and then simply log in. **2. First Day of Project:** • Have all of the students sign up for an account on www.smub.it. • Have the students research data about the specific topic that each student chose. • Have them bookmark important information, using the SMUB.IT tool, which can be used in the presentation. • Tell the students to have enough information that can be used during a 5 minute presentation and a 3 minutes demonstration. **3. Second Day of Project (Developing a presentation):** • As a demonstration for the students, open up Microsoft

	PowerPoint.
	• Make sure that the students are following along step by step.
	• Then have the students put the important information that they have found while researching about their specific topic into the PowerPoint slides.
	• The students need to put a couple of pictures into their presentation so that everyone can visualize what the presentation is about.
	• The students have all class period today to finish the 5 minute PowerPoint presentation and to get prepared for their 3 minute demonstration of their topic.
	4. Presentation and Demonstration day:
	• Ask the students if there are any volunteers that would like to present first. Give the students an incentive (like 5 extra credit points for the first person to give their presentation).
	• Before any of the students present, make sure that you have a watch or clock nearby to time them. You do not have to pressure the student with the time limit, as long as they finish around the time of 5 minutes.
	• Have the volunteers present first. As soon as the presentation is over, have the projector nearby so they can quickly and easily go into their demonstration about their topic.
	• Once all of the volunteers have presented, randomly select the students to present.
Evaluation:	**Rubric** Stayed focused during research: /5 Stayed focused while developing the presentation: /5 Explained the topic effectively: /15 Had pictures in the presentation: /10 Demonstrated the topic clearly: /15 Stayed close to the time limit: /5 Kept audience's attention: /5 Spoke clearly: /5 **Total: /65**