

Technology Integration Workshop 2016

Unit Title: Inquiring, Organizing, and Explaining

Grade Level: 3

Subject Area: Literature and Science

Duration/Length/Number of class periods: 5 class periods

Description:

Students will complete an experiment

Established Goals (National, State, Local):

Reading:

3.1.1.1 Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

Writing:

3.6.8.8 Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

Science:

3.1.1.2.4 Construct reasonable explanations based on evidence collected from observations or experiments.

What Enduring Understandings are desired?

After reading a text, we should be able to determine specific details about the content as well as ask questions to further understanding.

When gathering information, taking notes and organizing the information into categories will help me process/ present that information. When constructing an explanation I use evidence to support my claim.

What Essential Questions will be considered?

How can we demonstrate our understanding of a text?

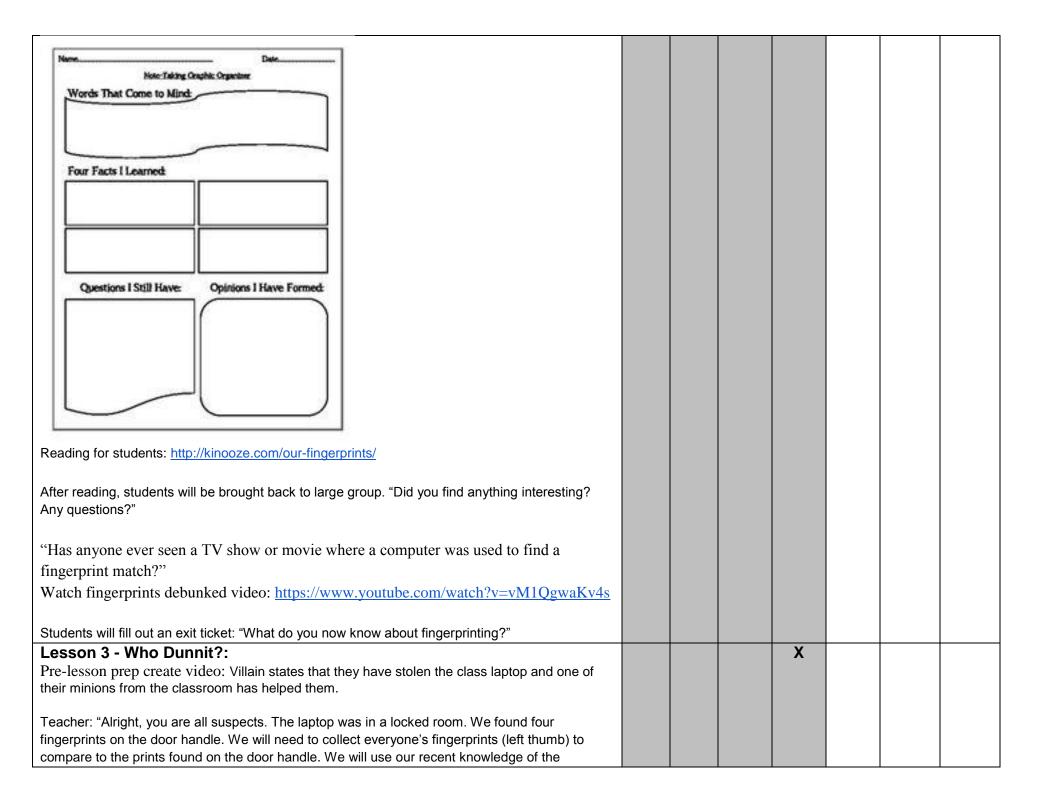
How can we use evidence that we collect to develop a theory or a hypothesis?

How can we organize the information that we gather?

Students will know / be able to:

Verbally summarize a text in their own words. Develop and write a hypothesis based on evidence collected.

Description	Units must include at least one of each formative, summative, introductory activity and learning activity. Check the appropriate box; one per row.	Fo rm ati ve	Su m ma tiv e	Intr odu ctor y Acti vity	Lea rnin g Acti vity	Stu dent Tec hnol ogy Use d	Teac her Tech nolog y Used	ISTE Stan dard s
Lesson 1 - Launch: KWL(Know, Want to Know, Learned): "What do you know about finger to know about finger prints? Turn and talk to your partner, you will ha and then come up to the Smartboard and write your answers." Each student will create fingerprints of all five fingers on one hand wi paper. <u>http://www-tc.pbskids.org/zoom/printables/activities/pdfs/finge</u> Video of how to do finger prints: <u>https://www.youtube.com/watch?v=N</u> Each fingerprint has one of three different types of lines: arc, whorl, ke which one of these is most dominant in their fingerprint. Closing: Exit ticket, have each student write down or verbally responde	ve 3-4 minutes to discuss th name and date on the <u>rprints.pdf</u> <u>MZiUpaiuN80</u> pop. Students will identify	X		X	X	X	X	
Lesson 2 - History: Review: "What did we do yesterday?" Have students fill out the Toda https://todaysmeet.com/Rm127 (Each student can refresh to enter th "Today, we will read a little history of forensic science." Students will be split into groups of independent readers and student them. Students will use the included graphic organizer to take notes:	ysMeet when they come in: eir own name). s who will have it read to	X			X	X	X	



fingerprinting process and analysis to find out who is working with the villain."			
Four stations will be set up with approximately four fingerprints per evidence pages. That way students won't have to crowd around one piece of paper. Students can work in partners or as individuals.			
By the end of the day students should have narrowed down to one matching finger-print.			
Closing: "How did your investigations go? Was it difficult? Easy? Would you like to work as a fingerprint analyst?"			
Lesson 4 - Accusation			
Pre-lesson prep: Create video announcing who the accomplice was.			
Review: "What did we work on yesterday?" Have students share out. "Today we will be writing our formal accusation paragraphs."			
Students will write a paragraph stating who the culprit is and why using key vocabulary terms (such as arch, whorl, loop, fingerprint) and evidence from yesterday's investigation.			
Students may use the following graphic organizer to help with writing:			

Topic Sentence				
Detail 1				
Detail 2				
Detail 3				
Closing Sentence				
Brain				
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lents will work on their formal accusation and turn in the final draft by the end of the				
S.				
s see if any of you investigators found the culprit!"				
villain video: "My accomplice was All along! Muahahah!"				

Materials, tools and resources
Day 1: Paper, scotch tape, pencils, magnifying glass, Smartboard
Unit Plan Author (name, school and optional email address or hyperlink to teacher's web page)
Cassie Westerhaus - Nellie Stone Johnson
Additional credit given to Phil ONeill