Bringing Rocks to Life		
Lowery Pemberton		
Lesson Components	Description	
Identification of the	Subject: Earth Science	
Class	Grade: 9	
	Number of Students: 25	
Virginia Standards of	Virginia SOL:	
Learning & <u>National</u>	• ES.5 The student will investigate and	
Educational Technology	understand the rock cycle as it relates to the	
<u>Standards (Students)</u>	origin and transformation of rock types and how	
	to identify common rock types based on mineral	
	composition and textures. Key concepts include	
	a) igneous focks; b) seumentary focks; and	
	NETS C.	
	NETS-3.	
	• ISTERT Students demonstrate creative timiking,	
	products and processes using technology	
	b) create original works as a means of personal or	
	group expression	
	Broup expression	
Lesson Objectives	• The students will investigate the rock cycle in further	
,	detail.	
	• The students will investigate one specific rock type	
	from the rock cycle.	
	• The students will investigate one rock example from	
	their chosen rock type.	
	• The students will practice teamwork to come to a	
	final presentation.	
	• The students will create a timeline using Capzles	
	reviewing their chosen rock type and rock example.	
Materials	• Computer	
	Projector	
	• Speakers	
	• Laptops	
Procoduros	<ul> <li>Example focks</li> <li>Have rock examples on tables in the front of the</li> </ul>	
FIOLEUMIES	room in rock type categories and with names	
	2 While students are coming into the classroom and	
	finding their seats have the Song of the Rocks	
	nlaving.	
	3. Pass out handout with fill-in-the-blank notes and	
	instructions for the assignment while the song is	
	playing.	

	<ol> <li>Ask students what they already know about the three rock types. (They should know basics from previous lessons).</li> <li>Explain that rock cycle has its own timeline and that using technology we can make the timeline come to life.</li> <li>Show students the <u>Rock Cycle</u> timeline presentation made by Lane Martin on Capzles. Ask why it is important to give credit to the creator of the presentation.</li> <li>Ask students if they have any questions about the rock cycle.</li> <li>Explain to students that on the back of their handout there are instructions on how to make a Capzles timeline. Students will be put into pairs to make their own timeline on a rock type of their choosing. Once they have chosen a rock type, they will then also pick one rock example to further investigate and include in their timeline. They can find example rocks at the front of the room or online.</li> <li>Show students the end of the assignment, each individual will evaluate themselves and their partners.</li> <li>Ask if the students have any questions on the assignment.</li> <li>Break the students into pairs. Ask them to decide on a rock type together. Once they have chosen a rock type together. Once they have chosen a rock type together.</li> </ol>
Assessment & Evaluation	The students will be evaluated on their:
	Partner and self evaluations     Timeline and leave at the self evaluations
	• Timeline: well organized, accurate and visually appealing
	• Includes a rock type and a rock example