Bison Science Lesson Date: 9/25/19

Grade: 4th	Subject: Science
Materials: Animal pictures, pictures of various parts of bison up close	Technology Needed: none
inference writing prompt, pencils, white board, marker	
Instructional Strategies:	Guided Practices and Concrete Application:
€ Direct instruction € Peer teaching/collaboration/	€ Large group activity € Hands-on
€ Guided practice perative learning	f = Independent activity f = Technology integration
€ Socratic Seminar € Visuals/Graphic organizers	C Independent activity C recimology integration
C learning Centers C DBI	C <u>Pairing/collaboration</u> C imitation/Repeat/Mimic
E lecture	C Simulations/Scenarios
C Technology integration	€ Other (list)
C Other (list)	
Control (list)	Explain:
Standard(s) 4.LS1.1 Construct an argument that plants, and animals have internal and external structures that function to support	Differentiation w Proficiency: Students will be able to make observations, but will not
survival, growth, behavior, and reproduction.	be able to make inferences based on what they see in connection
	with prior knowledge.
Objective(s)	ve Proficiency: Students will be able to give reasoning behind their
By the end of the lesson, students will make observations and	inferences
inferences regarding the function of various structures of animals	
through large group sharing and a collaborative writing assignment.	roaching/Emerging Proficiency: Students will be able to make
	observations, ask questions, and make inferences about the
Bloom's Taxonomy Cognitive Level:	function of various structures of animals.
Synthesis	
	dalities/Learning Preferences:
	Visual: All parts of the activity will be accompanied by
	nictures of the animals being discussed
	Auditory: The activities will be discussion based
	Additory. The activities will be discussion based.
	 Kinestneuc: Testile - Studente will be able to need enough the
	Tactile : Students will be able to pass around the
	pictures.
Classroom Management- (grouping(s), movement/transitions, etc.)	Behavior Expectations- (systems, strategies, procedures specific to the
Discussion will take place in a circle.	lesson, rules and expectations, etc.)
Students will be strategically paired based on behavior	• Students will pass the pictures around, making one
• In the large group discussion, whoever is holding the animal	observation, asking one question, or making one inference
picture gets to talk	before passing it along
 One or two students will be in charge of passing out and collecting papers 	 Students will be respectful of each other when one person is talking
conecting papers	Students will work quietly with their partner, making
	observations, etc. about the shared picture at a 1 or 2 voice
	level, but writing on their own paper
	Students will write legibly, but without excessive concern
	with regards to spelling
	• Students will do their jobs when working with their partner,
	not chatting about unrelated topics or gooting off (Fab 5)
Minutes Procedures	·
Set-up/Prep:	
Print writing prompt and animal pictures	
5 Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.)	
Gain students' attention	
 Snow picture of bison Call on individual students to answer questions such as, "do you know what animal this is?" "have you seen one before?" 	
"do they have them at the zoo?" "can you tell me something about them?"	

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Reflection (What went well? What did the students learn? How do you know? What changes would you make?):

My first lesson with my practicum students went quite smoothly. We started on the carpet to do the large group activity, making observations, asking questions, and making inferences. I had them stand instead of sit because they had been doing testing that morning, and I did not want them to have to sit any more. I would have liked to get more of the students' attention before I began, however. It worked pretty well to have whichever student was holding the paper to do the talking. That way when other students tried to talk out of turn, it was easy to remind them that they did not have the paper right then, and so they must pay attention to who ever was holding the paper. I had not planned for if students did not want to say anything when their turn came, which happened a couple times. What I ended up doing was allowing them to pass, but letting them know that they would have to say at least one thing at some point. If I was going to do it again, I would let them raise their hands when they figured out something to say instead of just going back to them at the end. I think it could have helped this situation if I had had the pictures projected for all the students to see, as well as having a picture to pass around.

My transition to the partner activity was OK, but if I did it again, I would make sure to communicate my expectations a little clearer. I would have told them what I expected from them in terms of what their work quality should be, what their voice level should be, what to do when they are done, etc. Another note about the partner work time is that I did not have the names of the animals on the pictures originally, which caused some confusion for the students.

There are a few things that I think I could change about his lesson if I did it again. One is to add a little more differentiation. If I had a high flyer student, I could challenge them to either do a worksheet on another animal or require them to attempt to answer their own questions that they generated on their worksheet. Another idea I had came from the fact that when students are working in pairs, they often end up with the same answers. I thought I could potentially turn this activity into a "write the room" activity where students go up to animal pictures posted around the room and leave observations, questions, and inferences on a paper by the picture, each student using his or her own colored pen. This would give me a good idea of what each individual student was thinking and seeing as well as give the students more time for movement. Lastly, I noticed that during this activity, the students came up with a lot of questions. This activity, could be the springboard for an animal research project.