Haley Luke

Grade: 4th	Subject: Science
Materials: Video of broken glass stacked on each other (or cut up slips	Technology Needed: Projector/computer
of clear lamination paper), wax paper, glue, snowflake worksheets,	
paper plates, and scissors	
Instructional Strategies:	Guided Practices and Concrete Application:
Direct instructionPeer teaching/collaboration/ cooperative learningGuided practicecooperative learningSocratic SeminarVisuals/Graphic organizersLearning CentersPBLLectureDiscussion/DebateTechnology integrationModelingOther (list)Image: Complexity of the section of	 Large group activity Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) Explain: We will all discuss and predict why we think snow is white. Collect our previous
	knowledge about water, ice, and snowflakes to make our predictions (using KWL charts). Then I will explain why it is white. The students will then do an activity to prove why snow is white.
Standard(s)	Differentiation
ESS2.A: Earth Materials and Systems -Rainfall helps to shape the land	Below Proficiency: For those below proficiency, I will model how
and affects the types of living things found in a region. Water ice,	to do the activity. During the class discussion, I will take notes on
wind, living organisms, and gravity break rocks, soils, and sediments	what their previous knowledge is about snow, ice, water, etc.
into smaller particles and move them around.	That will help them make their predictions (if they did not know
Objective(s)	as much as the others before, the information is now presented
By the end of the lesson, students will be able to prove why snow	to them on the board).
appears white by discussing with peers and participating in an activity.	Alexan Darffelan ya Farathara akawa maɗalara da darta
Bloom's Taxonomy Cognitive Level: Evaluating Level	will be able to come up with other objects/ideas that could help prove their predictions, other than the activity/example done in class. They will discuss other times they have seen snow not be white.
	Approaching/Emerging Proficiency: For those approaching proficiency, these students will be able to follow along as I model the activity. They can make predictions on their own (and still refer to the information on the board). They are also able to join into the discussion about different colored snow they've seen.
	Modalities/Learning Preferences:
	Visual: I will model the activity in front of the class. We will watch a few videos and images will be shown of snow (and the different colors it appears). I will also write down previous knowledge on the board to help students make predictions.
	Auditory: We will discuss why snow appears white? Why it appears other colors? What we know about ice, water, snowflakes, etc.
	Kinesthetic: Students will participate in the hands-on activity, creating their own snowflakes by using a method that proves snow appears whatever color the light reflects.
	Intrapersonal: Students can work on the activity on their own and make their own predictions.
	Interpersonal: Students will brainstorm, discuss, and share as a group-collaborating as a whole class.

Haley Lu	ke	Lesson Plan # 3	
Classroor	n Management- (grouping(s), movement/transitions, etc.)	Behavior Expectations- (systems, strategies, procedures specific to	
The stude	ents will sit in their seats (they are grouped in pods of 2 or 3).	the lesson, rules and expectations, etc.)	
I will transition them from their previous activity by using positive		Students are expected to	
comment	s to encourage those straggling.	Be active listeners	
Students	should follow procedures for	 Keep voice level at a 0 during lecture, watching videos, and 	
•	Active listening	working on the activity	
•	Voice levels	 Keep voice levels at a 2 or 3 when discussing 	
•	Hand raising	 Participate in sharing and listening 	
•	Group discussions	• Raise their hands if they have any questions or comments to	
•	Participate	make	
Minutes	Procedures		
2 min	Set-up/Prep:		
	The projector needs to be on, images of snow, snowflakes,	water, should be pulled up.	
	The wax paper needs to be cut		
	Snowflake worksheets need to be printed		
10 min	in Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.)		
	One of the students was discussing why snow is white, it has been snowing a lot recently. I thought this was a great idea to turn		
	a lesson. So, we will revisit this question. I will ask the stude	ants what they know about ice, water, shownakes, etc. we will record	
	Linis information on the board. We can look at images to he	and for why the snew appears white	
	Once the predictions are written, I will show them how wh	ons for why the show appears white.	
	of the classroom) the paper becomes reflective and appear	s white This demonstrates how water ice and individual snowflakes	
	can be clear but appear white under the lighting. I will put t	the paper under different colored lights to show how it changes colors	
10 min	0 min Explain: (concepts, procedures, vocabulary, etc.)		
	I will have students pass out the wax paper, paper plates, glue, and snowflake worksheets. I will then model how to create the		
	snowflake and show them using the projector. The student	s will do the same with the materials they are given.	
3 min	n Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life		
	experiences, reflective questions- probing or clarifying questions)		
	Students will make connections from where they have seen snow appear different colors. They will discuss in their pods, or as a		
	whole group, how and when this happens. We can pull up paintings, photography, and other art to further make the point that		
	snow can appear white, blue, orange, or whatever light is shone on it.		
	If students' predictions were correct, they need to write why they were correct and write down 1 new thing they learned and 1 ne		
	question. If students' predictions were incorrect, they need to correct their prediction and explain why they were wrong and one		
	question and new thing they learned.		
2 min	Review (wrap up and transition to next activity):		
Formativ	I will have the students place their plates (finished activity)	In the windowsill to dry. I will then transition them to the next activity.	
Progras	e Assessment: (inked to objectives)	End of losson:	
check-	s monitoring throughout lesson- clarifying questions,	Livill assess the students based on their finished project/activity. If	
in strate	agies etc	their predictions were wrong they will correct them in their science	
I will assess the students on how their previous knowledge relates to		journals if they were correct they will state why they were correct	
the discussion question and on their predictions. This assessment is		and any new information they may have learned.	
mostly ba	used on if they are thinking like a scientist, using the data		
collected,	making observations, and not being afraid of making	If applicable- overall unit, chapter, concept, etc.:	
mistakes.		the contract of the best of th	
Consideration for Back-up Plan:			
We will discuss why snow is white, we will look at different videos, I			
will pass out scraps of laminated paper, the students will stack the			
paper and see how light reflects on it. I will display different colors on			
the projector and these pieces of paper can be brought up to show			
how whatever the color of light is, reflects in the appearance of the			
snow.			
Reflection	Reflection (What went well? What did the students learn? How do you know? What changes would you make?):		