Lesson Plan Template

	Lesson Pla	n Template
Grade: Pre	eschool (4-5-year old's)	Subject: Cognition: Scientific Reasoning
Materials: Baking Soda, Water, Green Food Coloring, Vinegar, Plastic Bowls, Spoons, Spray bottle		Technology Needed: None
	nal Strategies:	Guided Practices and Concrete Application:
 Direct Guide Socra Learn Lectu 	t instructionPeer teaching/collaboration/ cooperative learningad practicecooperative learningtic SeminarVisuals/Graphic organizersing CentersPBLreDiscussion/Debatenology integrationModeling	 Large group activity Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) Explain:
Standard(s) Goal P-SCI 4. Child asks a question, gathers information, and makes predictions Goal P-SCI 5. Child plans and conducts investigations and experiments.		Differentiation Below Proficiency: Students who are below proficiency will have guided instruction from teacher. Just really reminding them the step. Getting their brains to predict.
informatic makes sim With adult Experimen Bloom's Ta o d o l i	e questions. Uses adults as primary resources to gather in about questions. With adult support and modeling, ple predictions. : support, engages in simple investigations and	 Above Proficiency: Students who are above proficiency will be paired with a below proficiency and help guide them. Students can also be allowed to experiment more by predicting and seeing what happens when they add more vinegar or more baking soda. Approaching/Emerging Proficiency: Students who are emerging proficiency will make predictions and observations based on the experiment. Modalities/Learning Preferences: Visual: The physical aspect of the experiment. Watching what happens. Auditory: Teacher explaining what we are doing. Peers making predictions. Kinesthetic/Tactile: Hands-on experiment. Students get to manipulate the eggs.
	Management- (grouping(s), movement/transitions, etc.) Students will be grouped according to their tables spots already created by supervising teacher. Students will transition from carpet area to table spots by istening to teacher by calling a letter and if that letter is in their name they will go sit at their spot.	 Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.) Students will be required to follow the directions during experiments and actively make predictions and observations. If students are not following the directions, they will get three warnings. Once they reach the third warning their eggs with be taken away and they will have to watch their neighbors egg.
Minutes	Procedures	·
5	et-up/Prep: • Have baking soda measured out – 1 C. for each table • Have cup of water prepared for each table • Have food coloring and vinegar ready Ingage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.) • Engage students by talking about Dr. Seuss and how it is his birthday • Read "Green Eggs and Ham" Story • After reading the story ask students Do you think you would like green eggs and ham? • Should we try making some green eggs today!	
5	Explain: (concepts, procedures, vocabulary, etc.) O Today we are going to be scientists and scientists O Today we are going to be scientists and do an exp O We have baking soda, water, and vinegar to make O Vocabulary: Prediction, Observation, Experiment	eriment and we are going to make green eggs

10-15	Lesson Plan Template Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life		
	experiences, reflective questions- probing or clarifying questions)		
	Today I brought water & baking soda with me. I want us to put on out thinking hats and think about what might happen if we mix		
	baking soda and water together?		
	• Those are great predictions you guys are making! Let's see what happens when we mix them together!		
	What are you guys seeing? What is happening?		
	• Those are great observations, we made a dough like mixture.		
	So now that we have our dough like mixture how do you think we are going to turn it green?		
	 Great observations we are going to use green food coloring! 		
	Hand out the mixture so each child has their own egg		
	What shape is an egg? I want you guys to form your mixture into an egg		
	What does the mixture feel like? Do you think we could eat these eggs?		
	I brought one more ingredient with me and that vinegar		
	Let's put our thinking hats back on and I want use to think about what is going to happen if we add vinegar to our green eggs?		
	• Those are some great observations again! Let's see what will happen when we pour some vinegar on our eggs.		
	What did you guys see? What happened when we poured vinegar on our eggs?		
	 It fizzed/it got bubbly 		
	Our eggs began to fizz when we added vinegar this is because the baking soda and vinegar together create a reaction that produce		
	carbon monoxide bubbles.		
	What else happened to our egg after it was done fizzing?		
	 They go really runny! 		
	They did get runny that's because we added more liquid and there's not enough baking soda to keep in in the form of an egg.		
	Deview (ween we and transition to next activity):		
2	Povious (wrap up and transition to post activity)		
2	Review (wrap up and transition to next activity):		
2		a are going to throw them away and go to the bathroom and wash our	
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