Name: Reynolds, Moon			Grading Quarter: 1	Week Beginning: Week 4 8/26/24-8/30/24	
School Year: 2024-2025			Subject: Science		
Monday	Notes: Grade 5 Unit 1: Investigate Matter Lesson 2: Mixtures & Solutions Essential Question: What happens when different materials are mixed together?	Objective: • Stude to de Lesson Overv • Asses • Enga co • Co • C	ents will use mathematica termine if mixing substar iew: ss Prior Knowledge Page 19- Page Keeley ge Page 20-21- Encounte happening to the solid Video: Solid & Liquid (Sample Questions for Do all solids m are in small en Are there diffe be made? Can the solid	al and computational thinking inces causes a change in mass. Science Probe: <i>Salt & Water</i> r the Phenomenon: What is d and the liquid? 23 seconds) page 21 hix into liquids like this if they hough pieces? erent types of mixtures that can be removed from the liquid?	Academic Standards: 5. P1U1.2 Plan and carry out investigations to demonstrate that some substances combine to form new substances with different properties and others can be mixed without taking on new properties.

Grade 5Students will use mathematical and computational thinking to determine if mixing substances causes a change in mass.Standards:Unit 1: Investigate Matter Lesson 2: Mixtures & Solutions Essential Question: What happens when different materials are mixed without taking different materials areStandards: S. P1U1.2 Plan and carry out investigations to demonstrate that some substances combine to form new substances causes a change in mass.Standards: S. P1U1.2 Plan and carry out investigations to demonstrate that some substances combine to form new substances with different materials are mixed without taking enderstand	
Unit 1:to determine if mixing substances causes a change in mass.5. P1U1.2Investigate MatterLesson 2:Lesson Overview:Plan and carry out investigations to demonstrate that some substancesMixtures & SolutionsExplore• Explorecombine to form new substancesQuestion:• Page 22-23- Inquiry Activity: Solubility Solutions• Combine to form new substancesWhat happens when different materials are mixed tagether?• Abel and carry out investigations to demonstrate that some substancesDifferent materials are mixed tagether?• Abel and carry out investigations to demonstrate that some substances o materials:	
Investigate MatterLesson Overview:Plan and carry out investigations to demonstrate that some substances combine to form new substances with different materials are mixed tagether2Plan and carry out investigations to demonstrate that some substances combine to form new substances with different materials are mixed tagether2Investigate MatterLesson Overview: • ExplorePage 22-23- Inquiry Activity: Solubility Solutions • Whole Group; Teacher led; Class discussion • Atterials:Plan and carry out investigations to demonstrate that some substances combine to form new substances with different properties and others can be mixed without taking	
Lesson 2: Lesson Overview: investigations to demonstrate that some substances Mixtures & Solutions • Explore combine to form new substances Essential • Page 22-23- Inquiry Activity: Solubility Solutions combine to form new substances Question: • Whole Group; Teacher led; Class discussion substances with different properties and others can be wind tagethere? • 2 beakers mixed without taking	Plan and carry out investigations to demonstrate that some substances combine to form new
Mixtures & Solutions • Explore some substances Essential • Page 22-23- Inquiry Activity: Solubility Solutions some substances Question: • Whole Group; Teacher led; Class discussion substances with What happens when • Materials: and others can be mixed tagether2 • 2 beakers mixed without taking	
Essential • Page 22-23- Inquiry Activity: Solubility Solutions combine to form new substances with Question: • Whole Group; Teacher led; Class discussion substances with What happens when different materials are • Aberials: and others can be wind taggether2 • 2 beakers mixed without taking	
Question: • Whole Group; Teacher led; Class discussion substances with What happens when • Materials: and others can be different materials are • 2 beakers mixed without taking	
Materials: and others can be wind taggether?	
• 2 beakers mixed without taking	and others can be mixed without taking
Warm water on new properties.	
Cold water	
 4 spoonfuls of sugar 	
Spoon	
Stopwatch	
 Make a Prediction: Will sugar dissolve faster 	
는 in warm or cold water?	
■ Investigation	
• Fill one beaker with warm water and	
the other with cold water up to 200	
mL.	
 Add two spoonfuls of sugar to each 	
beaker and start stopwatch.	
Stir the sugar in each beaker until the	
sugar is completely dissolved.	
Stop the stopwatch.	
 Record Data 	
Note the stopwatch times for how	
long it took both beakers to fully	
dissolve the sugar.	
Measure how much water is	
measured after adding the sugar	
Communicate Information	
Have students answer the questions	
on nage 23	

	Natas	Objective	Annalaust	
	Notes:	Objective:	Academic	
	Grade 5	Students will use mathematical and computational thinking	Standards:	
	Unit 1:	to determine if mixing substances causes a change in mass.	5. P1U1.2	
	Investigate Matter		Plan and carry out	
	Lesson 2:	Lesson Overview:	demonstrate that	
	Mixtures & Solutions	Explain	some substances	
	Essential	 Page 24-25- Types of Mixtures 	combine to form new	
	Question:	 Academic Vocabulary 	substances with	
	What happens when	 <u>Mixture</u>- a physical combination of 	different properties	
	different materials are	two or more substances that are	and others can be	
	mixed together?	blended together without forming	on new properties.	
		new substances.		
		<u>Heterogenous</u> - a mixture that has		
		parts that are not uniformly mixed		
		together.		
		 Suspension- a heterogenous mixture 		
5		that looks the same throughout but		
/ednes		separates, or settles out, in time.		
		Colloid- a heterogeneous mixture in		
		which the parts are so small that		
da)		they do not settle out.		
<		Homogenous- a mixture that is		
		uniform throughout.		
		Solution- a homogenous mixture of		
		substances that are blended so		
		completely that the mixture looks		
		the same everywhere		
		 List the examples of different mixtures for 		
		students to discuss and determine their type		
		of mixture		
		Milk and careal (haterogeneous)		
		White and coon (homogeneous)		
		• Spray paint (colloid)		
		Oil and water (suspension)		
		Drink mix and water (solution)		
		 Return to Page 19 to see if students' thinking may 		
		have changed between then and now.		

	Notes:	Objective:	Academic
	Grade 5	• Students will use mathematical and computational thinking	Standards:
Thursday	Grade 5 Unit 1: Investigate Matter Lesson 2: Mixtures & Solutions Essential Question: What happens when different materials are mixed together?	 Students will use mathematical and computational thinking to determine if mixing substances causes a change in mass. Lesson Overview: Explain Page 26-27- Inquiry Activity: Mixtures in Action Whole Group; Teacher Led; Student Discussion Make a Prediction: When you mix materials together, is the mass of the mixture the same or different than the sum of the mass of the original materials? Mixtures in Action simulation online Combine different materials to find the combined mass. Discuss what type of mixture occurred. Record Data Record results of the combined masses in chart. Think-Pair-Share which mixture was observed (heterogeneous, solution, colloid, or suspension). 	Standards: 5. P1U1.2 Plan and carry out investigations to demonstrate that some substances combine to form new substances with different properties and others can be mixed without taking on new properties.
		their predictions were correct.	
	Notes:	Objective:	Academic
	No School	No School	Standards:
Friday		Lesson Overview: • No School	