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Name: Schimmel, Gagnon,		mel, Gagnon,	Grading Quarter:	Week Beginning	: Week
Moon			2	11/27/2023-12/0	01/2023
			Week: 7		
School Year: 2023-2023		23-2023	Subject: 5 <sup>th</sup> Science		
Sch Monday	Notes:	Objective:  Students on their picture of the students of the s	will observe and produce descriptions.  will recognize how the phosypes of properties of matter will use mathematical and control in the product of the properties of matter will investigate how tempered mixed into a liquid.  will collect data to analyze will observe mixtures to investigate if a mixture will investigate if a mixture of the solid and the properties of a Chemist Change  or operty, magnetism, conductors or operty, conductors or operty, conductors or operty, conductors or operty or operty, conductors or operty or operty, c	ata to identify materials based tos provide examples of er. computational thinking to es a change in mass. rature affects the ability of a using mathematics. restigate if mass is conserved c. can be separated.	Academic Standards:  5.P1U1.1 Analyze and Interpret data to explain that matter of any type can be subdivided into particles too small and to see and, in a closed system, if properties change or chemical reactions occur, the amount of matter stays the same.  5.P171.2 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.  5.SL.4 Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts with relevant, descriptive detail to support main ideas or themes; speak clearly at an understandable pace.

	Natasi	Objectives	Acadamia
	Notes:	Objective:	Academic Standards:
		Students will observe and produce data to identify materials based	Standards.
		<ul> <li>Students will observe and produce data to identify materials based on their properties.</li> <li>Students will recognize how the photos provide examples of different types of properties of matter.</li> <li>Students will use mathematical and computational thinking to determine if mixing substances causes a change in mass.</li> <li>Students will investigate how temperature affects the ability of a solid to be mixed into a liquid.</li> <li>Students will collect data to analyze using mathematics.</li> <li>Students will observe mixtures to investigate if mass is conserved when substances are mixed together.</li> <li>Students will investigate if a mixture can be separated.</li> </ul>	5.P1U1.1  Analyze and Interpret data to explain that matter of any type can be subdivided into particles too small and to see and, in a closed system, if properties change or chemical reactions occur, the amount of matter stays the same.
Tuesday		Lesson 2: Mixtures and Solutions  What is happening to the solid and the liquid Inquiry Activity: Solubility Solutions Types of Mixtures A Day in the Life of a Chemist Review Chemical Change  Science Experiment: Pages 22-23 Solubility Solutions  Vocabulary: Matter, chemical property, magnetism, conductivity, magnetism, mass, physical property, reflectivity, solubility, volume, collect, colloid, mixture, solution	5.P171.2 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.  5.SL.4 Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts with relevant, descriptive detail to support main ideas or themes; speak

pace.

•	Wednesday

## Notes: **Objective:**

- Students will observe and produce data to identify materials based on their properties.
- Students will recognize how the photos provide examples of different types of properties of matter.
- Students will use mathematical and computational thinking to determine if mixing substances causes a change in mass.
- Students will investigate how temperature affects the ability of a solid to be mixed into a liquid.
- Students will collect data to analyze using mathematics.
- Students will observe mixtures to investigate if mass is conserved when substances are mixed together.
- Students will investigate if a mixture can be separated.

### Lesson Overview:

## Lesson 2: Mixtures and Solutions

- What is happening to the solid and the liquid
- Inquiry Activity: Solubility Solutions
- Types of Mixtures
- A Day in the Life of a Chemist
- Review
- Chemical Change

Science Experiment: Pages 22-23 Solubility Solutions

# Vocabulary:

Matter, chemical property, magnetism, conductivity, magnetism, mass, physical property, reflectivity, solubility, volume, collect, colloid, mixture, solution

Academic Standards:

### 5.P1U1.1

Analyze and
Interpret data to
explain that matter
of any type can be
subdivided into
particles too small
and to see and, in a
closed system, if
properties change
or chemical
reactions occur, the
amount of matter
stays the same.

#### 5.P171.2

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.

**5.SL.4** Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts with relevant, descriptive detail to support main ideas or themes; speak clearly at an understandable pace.

	Notes:	Objective:	Academic
			Standards:
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