



HAZLETON AREA SCHOOL DISTRICT



DISTRICT UNIT/LESSON PLAN

Teacher Name : Debbie Zola

Grade Level (s): 3

Building : Maple Manor

Unit Plan

Subject : Science/SS

Start Date(s): May

The States of Matter/Chapter 12 Mixtures and Solutions

Unit Title:

Essential Questions

1. **What are the 3 states of matter?**
2. **What is a Solid?**
3. **What is a Liquid?**
4. **What is a Gas?**
5. **What is a Physical Change?**
6. **What is a Chemical Change?**
7. **What is a mixture?**
8. **What is a solution?**
9. **How are mixtures made?**
10. **How can mixtures be separated?**
11. **What are Solutions?**
12. **What are Physical Properties?**

Standards: PA Core Standards, PA Academic Standards/Anchors (based on subject)

S4C1.1 Describe observable physical properties of Matter

CCRI3.1 Ask and Answer Questions to demonstrate knowledge of non-fiction text

S4C1.1 Describe observable physical properties of matter
S4C1.1.1 Use physical properties mass, shape, size, volume,color and texture.
S4C1.1.2 Categorize objects using physical characteristics

CC RL3.1 Ask and Answer Questions to demonstrate knowledge of a nonfiction text

Summative Assessment Objective	Assessment Method (check one)
The student will know the 3 States of Matter. The student will differentiate between a chemical change and a physical change. The student will know properties of solids, liquids and gases. The student will know what a mixture and solution are and how they can be separated.	<input type="checkbox"/> Rubric <input type="checkbox"/> Checklist <input checked="" type="checkbox"/> Unit Test <input checked="" type="checkbox"/> Group <input checked="" type="checkbox"/> Student Self-Assessment <input checked="" type="checkbox"/> Other (explain) Create a Project , Categorize Solids, Liquids and Gases

DAILY PLAN

RL3.1 The student will answer questions to demonstrate the understanding of the nonfiction text.
 S4C1.1 The student will know States of Matter and Changes that Occur

Day	Objective (s)	DOK LEVEL	
1	Students will-become familiar with new Vocabulary and Changes in the Earth's forms of water New Vocabulary words : chemical change, chemical property, condense, evaporate, freeze,gas, liquid, mass,matter, melt, physical change,physical property, solid, volume, alloy, dissolve,filter, mixture, solution and substance.	Identify key vocabulary-Level 1 Glossary use/Ch 11 Word, definition, pronunciation Flash Cards	
2	Students will identify various mixtures and create them using classroom objects.	Level 1-Recall details Cite the evidence from the informational text. Answer Questions in a journal- open ended questions. Level 2 – Create a mixture	
3	Students will-compose a list of items of various mixtures	Level 2 Analyze, Classify, Categorize	
4	Students will identify various physical properties of the mixtures, they will categorize and record data in their notebooks.	Level 3 Analyze data	
5	Students will use prompting questions to identify their mixtures and shapes. Color, shape, texture, conductivity , size and mass. Students will make predictions on various items if they will sink or float.	Level 2 List physical Properties Level 3 Predictions and Analyzing Data Hypothesize Level 3 Study Island Lesson and Questions on the Properties of Matter	
6	Students will make butter and record physical changes from a liquid to a solid.	Level 3 Making Butter...changing state from a heavy liquid to a solid. Students will make observations of the color and texture Before and After Observations Taste test the butter on crackers	