Solving Problems

This unit focuses on the importance of problem solving. Students will be able to use critical thinking skills to solve problems, make decisions, and understand how to come up with answers.

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Unit Overview: This unit focuses on the importance of problem solving. Students will be able to use critical thinking skills to solve problems, make decisions, and understand how to come up with answers.
Unit Title: Solving Problems

Subject Area
Science, Social Studies, and Mathematics

Grade Level
Kindergarten

Approximate Time Needed

Unit Summary

Student Objectives/Learning Outcomes

Curriculum Framing Questions		
	Essential Question	How do you solve a problem?
	Unit Question 1	How can we eliminate littering at the beach?
	Unit Question 2	What is the most effective way to design a volcano.
	Unit Question 3	How can we construct a table for favorite pets in the classroom?

Unit Foundation

Targeted Content Standards and Benchmarks

§112.11.Science, Kindergarten

(b) Knowledge and skills.

3. Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:

(A) identify and explain a problem such as the impact of littering on the playground and propose a solution in his/her own words;

§113.11. Social Studies, Kindergarten

(b) Knowledge and skills.

(16) Social studies skills. The student uses problem-solving and decision-making skills, working independently and with others, in a variety of settings. The student is expected to:

(A) use a problem-solving process to identify a problem, gather information, list and consider options, consider advantages and disadvantages, choose and implement a solution, and evaluate the effectiveness of the solution;

§111.2. Kindergarten,

(b) Knowledge and skills.

(1) Mathematical process standards. The student uses mathematical processes to acquire and demonstrate mathematical understanding. The student is expected to:

(B) use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution;

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