

A.S.K. (Amazing Science for Kids)

The goal of the project was to impress on young students the importance of science and give them a positive image of the subject. Another goal was to elevate the confidence of the older students in their knowledge of either anatomy, chemistry, or physics by conveying different concepts to the younger students. The 5th grade students were excited about the project and were very enthusiastic in their participation.

Curriculum/State Standard

This project relates to PA Standards 3.4.4 and 3.4.12, students need to understand the structures, properties, and reactions of matter as well as PA Standard 3.3.4 and 3.3.12, students need to understand anatomical characteristics. Also, illustrate the concepts with the use of models.

Overview

The older students would find a demonstration in anatomy, chemistry, or physics, find the reasons behind the demonstration, and find a creative way to present it to the 5th grade students. The goal was to show that science can be fun and interesting.

Objectives

- The students will research a subject and plan a lesson to present to younger students.
- The students will gather and prepare the materials needed for their lessons.
- The students will present the lessons to the 5th grade students.

Materials

Materials will vary depending on the chosen lesson or activity. Necessities: research materials such as, computers, books, magazines; equipment, such as, glassware, balances, and chemicals.

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5 & 12

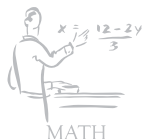
GRADE LEVEL



ARTS



LANGUAGE



MATH

Misc

MISCELLANEOUS



SCIENCE



HISTORY



SOCIAL STUDIES

4

MONTHS

\$1000

TOTAL BUDGET

“A.S.K.” continued...

Readiness Activity

The older students were taught how to prepare their demonstrations and activities. They were also instructed on the correct way to present the information to the younger students. The older students were also given ample opportunity to practice their speaking skills and techniques to classes in the junior high school.

Strategies/Activities

The older students were given the task of finding a concept in one of the three science fields (chemistry, anatomy, or physics) to teach. They were then instructed to research that particular topic and find appropriate activities that convey the lesson in an exciting way to present to the younger students. Once the lessons and activities were chosen, the older students were instructed to gather the materials they needed to complete the lessons. Once the materials were gathered, the students then practiced the activities and demonstrations.

Culminating Activity

The final activity required that the anatomy, chemistry, and physics students present their lesson to the fifth grade students. The older students must explain the concept that they researched to the younger students, show them the demonstration, and explain to them how the concepts are illustrated in the demonstration.

Evaluation

The anatomy, chemistry, and physics students were evaluated through the use of a performance-based rubric, knowledge of the subject, and overall work that was done for the project.