

ELVIRA ELEMENTARY SCHOOL: THIRD GRADE

Danielle Othon

3rd grade teacher
Elvira Elementary School

Cindy Wong

Instructional Technology Coach
Elvira Elementary School

Cayla Baynes

Biomedical Engineering GIDP
University of Arizona

Pumpkin Math: Estimation and Measurement



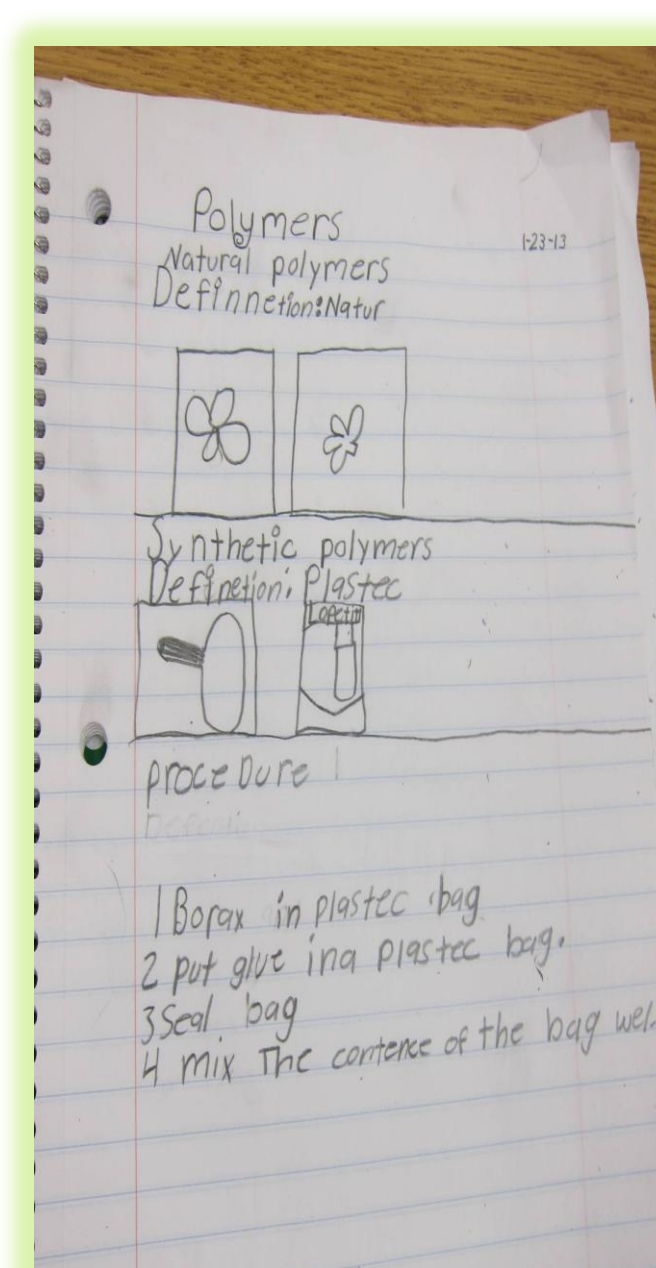
The importance of measurement was emphasized by having students measure the height and circumference of pumpkins. Students predicted the weight of, the number of ribs on, and the number of seeds inside the pumpkin. They subtracted the difference between the real value and their predicted value to determine their accuracy.

Bubble, Bubble, Toil and Trouble



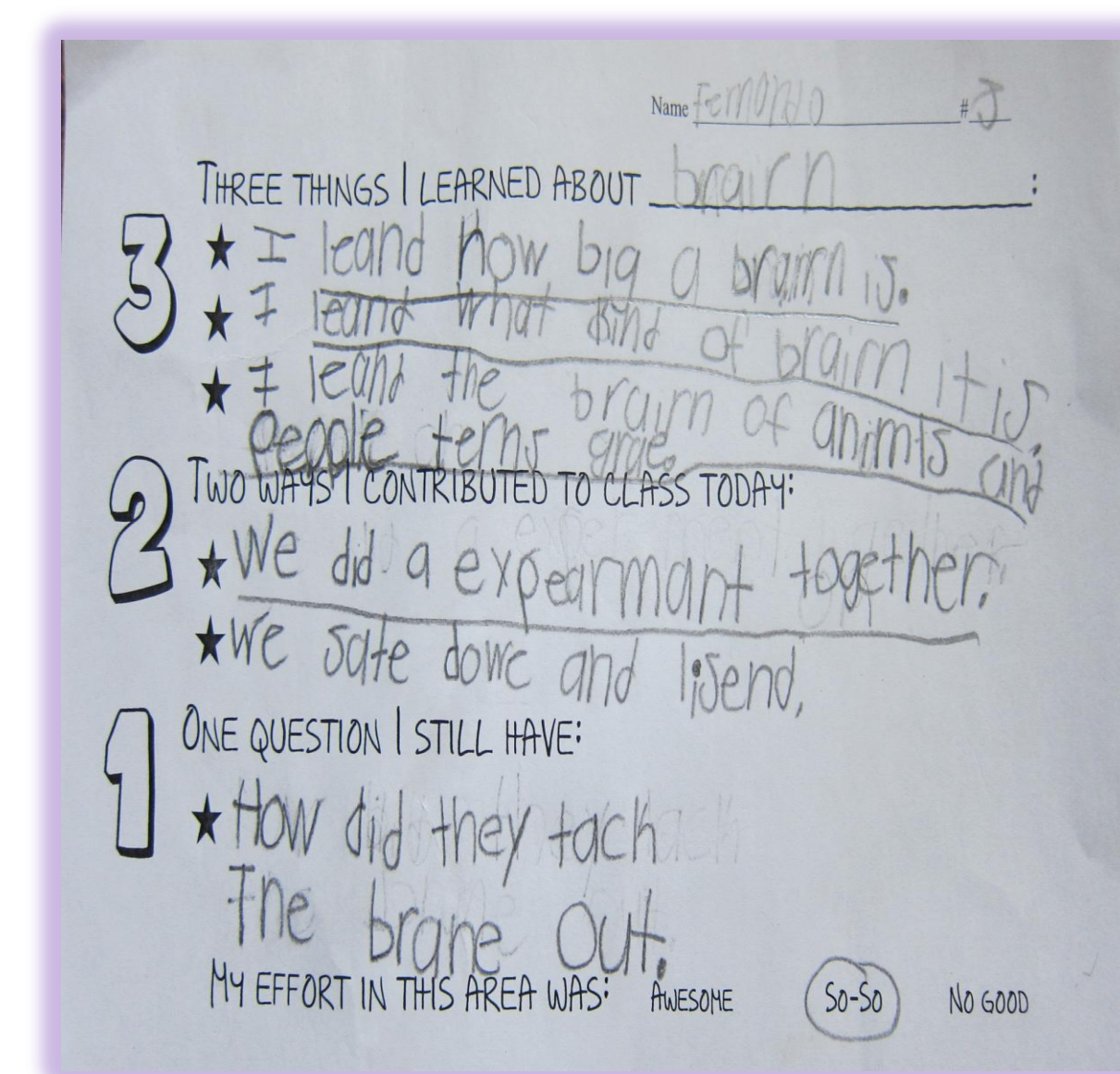
Students prepared three bubble solutions to determine which formulation produced the longest lasting bubbles. Once they investigated the properties of vegetable glycerin and corn syrup in the soapy water, they had to explain how the additives could affect the bubble age.

GAK: Exploring Polymer Formation



Students made a polymer from glue and borax laundry detergent. Some students felt the temperature of the solution increase as the reaction gave off energy in the form of heat. They also learned how the ratio of detergent to glue affected the consistency of the polymer.

Integrating the Fellow's Research



Students observed the relationship between brain size and body size for a number of different animals ranging from sheep to shrimp. They practiced number ordering when they listed the brain weights from greatest to least. They also discussed the difference between correlation and causation.