

## CALIFORNIA STATE SCIENCE FAIR 2010 PROJECT SUMMARY

Name(s) Kaitlyn Spong	Project Number J2131
Project Title The Effects of Acids and Bases on Cooking	Potatoes
<b>Objectives/Goals</b> This project explains the relationship of the pH of water to the cooking magazine, it was written that adding a little vinegar to keep the potatoes from falling apart. The purpose of the project	the water before you boil potatoes helps to
<ul> <li>Methods/Materials</li> <li>In the experiments, potatoes were boiled first in regular water, f water, and then in slightly more alkaline water. The idea was th caused the potatoes to be firmer, then alkaline water - with adde be softer. To get consistent measurements of firmness, a homen used wire and weights. A wire was placed over a cube of cooke in a bucket hanging off the end of the wire. At a certain point, through the potato. The weight in the bucket was recorded as data supported my hypothesis, as the potatoes cooked in mothose cooked with regular water or alkaline water. The potatoes a significantly different consistency, softer than the potatoes cooked constants.</li> </ul>	for a control, then in slightly more acidic that if acidic water -with added vinegar- ed baking soda - would cause potatoes to nade apparatus was used. The apparatus ed potato. Then weights would be stacked he weights would cause the wire to slice ata.
Conclusions/Discussion This project has proved that an acidic pH of water will produce pH of water will result in softer boiled potatoes.	C C
<b>Summary Statement</b> My project is about how the acidity or basicity of water affects	the cooking of potatoes.
Help Received Father helped construct apparatus	