Entire School - but 326 directly made or received a FREE sample

Students learned about soap making and how to apply the State Standards and vocabulary about matter(states of matter, heterogeneous vs homogeneous), change (physical vs chemical) and energy (endothermic vs exothermic) to each step of soap making. Students made plain cold-processed soap, tested it (pH lather test) and took a sample of soap home to use. Some students came in during lunch or stayed after school to make more soap. The Chemistry Club sold bars of scented soaps and bath bombs that they made school wide in order to make this lab a self-sustaining lab experiment.

Several students and teachers commented that our soaps and bath bombs helped their problem skin and asked for (and were given if students) or bought more (if teachers) for their families.

Students also made fizzy foot soak mini-peppermint bath bombs for Teacher and Staff Appreciation Week and to give their mothers for Mother's Day and were able to apply their knowledge of chemical reactions to this experiment to be completed at home when the foot fizzy is placed in warm water. They were also able to see first hand how water temperature affected the rate of the chemical reaction (double-displacement and acid-base neutralization reaction and decomposition reaction while making carbon dioxide gas bubbles).

Proceeds from the Chem Club Soap & Bath Bomb Sale will be used to supply the cost of raw materials so Active Chemistry can make soap and bath bombs next year. The students really like this lab and have asked to be able to make more soap if time permits while we are reviewing for the final exam.