



July Update 2009 College of William and Mary Applied Research Center Student Newsletter

Liquid Nitrogen Ice Cream Party!

On the 24th, Sandra Prior, Director of Environment, Health, and Safety at the College of William and Mary, gave a presentation on liquid nitrogen to everyone at the ARC WM Labs. In this presentation, she taught us how to safely handle liquid nitrogen. She also explained to us the biological and chemical components of liquid nitrogen ice cream. After her lecture, ice cream was made while keeping the safety tips about handling liquid nitrogen in mind.



In this picture, Sandra Prior explains the thermodynamics of liquid nitrogen ice cream.



Everyone watches in amazement as the liquid nitrogen creates a chemical reaction with the milk and cream.



Pictured listening to the presentation are lab techs Brandt & Song, grad student Chen Xu, and Sandra Prior's son Alex.



The final product! Cookies and cream and strawberry ice cream.



Required utensils: a couple of metal bowls, wooden spoons, whisks, measuring cup, a protective helmet, cryogenic gloves, and a funnel.



We even had visitors for the ice cream presentation. They are Song Vick's children Becky and Matt.