

**AMERICAN CHEMICAL SOCIETY  
SOUTH CAROLINA SECTION**



National Chemistry Week Mini-Grant Application Cover Sheet

PROJECT TITLE	The Sweet Side of Chemistry		
ORGANIZATION NAME	Francis Marion University's American Chemical Society		
CONTACT NAME	Jennifer Kelley		
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NAME FOR USE ON GRANT DISBURSEMENT CHECK IF DIFFERENT FROM ORGANIZATION NAME			
TOTAL BUDGET FOR PROJECT	\$552		
DOLLAR AMOUNT REQUESTED FROM SC-ACS	\$300		
DATE SUBMITTED	9/10/14		
SIGNATURE (if submitted electronically you may simply type your name)	Jennifer G. Kelley		

Please send cover sheet and proposal by September 1 by either email to [deavorj@cofc.edu](mailto:deavorj@cofc.edu) or send to  
Dr. James Deavor  
Department of Chemistry & Biochemistry  
College of Charleston  
Charleston, SC 29424-0001

**“The Sweet Side of Chemistry”**  
**Francis Marion University's American Chemical Society**

**Project Rationale:** We would like to celebrate the NCW theme of "The Sweet Side of Chemistry" by showing college students on our campus and local elementary and middle school students a variety of candy and explaining the chemistry used in making them in the form of demonstrations and hands-on activities.

**Target Audience:** We will target students on our campus and students in elementary and middle schools that are in proximity to Francis Marion University with which we already have ties (North Vista Elementary and Hannah-Pamplico Middle School).

**Project Description:** We would like to provide demonstrations and activities that illustrate the chemistry behind some of the candies that we love. To illustrate the sweeter side of chemistry, we planned to demonstrate how Pop Rocks and cotton candy are related to chemistry. Members of our ACS student group will lead the activities and discussions about these different types of candy and how they are made. We will set up demonstration tables on campus two afternoons during NCW to give students from a variety of different backgrounds a chance to explore the different ways of making these candies. At the end of the demonstrations, we will hand out these candies that were discussed along with a monogrammed ACS tooth brush. We will also take these activities to the schools mentioned above, again with members leading the discussion and activities, to get them involved on how chemistry is related to the sweet items they all love eat. The materials that are required are: a cotton candy machine, cotton candy mix, cones, and bags. Other materials include the candy itself and the tooth brushes that will be handed out. We also plan to give away ACS nanomoles for Mole day and chemistry themed bumper stickers as promotional materials.

**Safety:**

<b>Budget:</b>	Tooth Brushes	\$312
	Pop Rocks	\$100
	Cotton Candy machine	\$50
	<u>Cotton Candy materials</u>	<u>\$90</u>
	<b>Total Cost</b>	<b>\$552</b>

Items not included in the budget are things we already have available or can inexpensively purchase. We have available funding from selling lab manuals and goggles to supplement our project but would like to request the amount of \$300.