

Phundamentally Physics:
Elementary Educational Outreach Program
Final Report

South Dakota State University
Society of Physics Students

Presenters:

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Total Monies Received: \$300.00

June 15th, 2003

Original Abstract:

We the members of the Society of Physics Students, South Dakota State University chapter, is currently developing a Physics-based curriculum designed to further promote Physics appreciation while educating the greater Brookings community, specifically the students in the Brookings Public Schools through interactive lectures and participatory demonstrations.

Final Comments:

The members of the Society of Physics Students, South Dakota State University Chapter 49, created a Physical Science Curriculum for the students of the Brookings Public Schools during the 2003-2004 academic year. Four lessons were presented during each month from October through May. Concepts that were covered were as mundane and practical as elementary properties of matter, i.e. mass, density, etc. and as complex as properties of light and the manipulations thereof via optics. At the beginning of each new lesson, a demonstration which incorporated the primary focus of the prior lesson was used as a review tool, the responses that were expressed by the children reinforced the belief that the retention of knowledge was occurring. The members of the chapter are anticipating another successful outreach experience during the 2004-2005 academic year.

Phundamentally Physics:
Elementary Educational Outreach Program **Final Expenses**

October

Vegetable Oil, Corn Syrup, Maple Syrup, Honey, and Vinegar	\$ 13.20	\$ 13.20
M&M's, Multi-colored Marshmallows, and Grapes	\$ 17.12	\$ 30.32
One Dozen Plastic Containers (Assorted Sizes)	\$ 20.25	\$ 50.57

November

Balloons, Poster Board, Inflatable Globe, and Popcorn Kernels	\$ 18.65	\$ 69.22
Flashlight and Batteries	\$ 12.45	\$ 81.67
Beyond Time DVD	\$ 20.00	\$ 101.67
Hotplate, Blow Dryer, Thermometers, DVD Player, 6" Fresnel Light	Departmental Loans	

January

Eggs	\$ 1.27	\$ 102.94
Poster Board	\$ 1.08	\$ 104.02

February

Wizard Stick Fog Generator	\$ 14.95	\$ 118.97
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March

2 Hot Wheels Race Cars	\$ 5.50	\$ 124.47
Hot Wheels Race Car Track	\$ 7.25	\$ 131.72
The G-Force Be With You Momentum Model	\$ 39.99	\$ 171.71
Lincoln Logs	\$ 34.99	\$ 206.70

April

Singing Pipe	\$ 29.95	\$ 236.65
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May

5" Blinking Eye CineSpinner	\$ 12.95	\$ 249.60
Snap, Crackle, Learn Electric Circuit Model	\$ 59.99	\$ 309.59