



## Tax Credit Time!

The time to claim your 2009 school tax credit is right around the corner. This is your opportunity to make an important contribution to education at our school and receive an income tax credit for the full amount you contribute! This tax credit is available to all Arizona individual taxpayers regardless of whether or not they have children in school. An individual can contribute and receive a tax credit for any amount up to \$200, or a couple filing jointly can contribute up to \$400. Each year the Sierra Site Council, Student Council and staff determine how the tax credit donations will be spent. In addition to the field trips and character education programs we bring to the school, we will also be identifying after-school clubs and/or classes that will be offered after school on a NO FEE basis! Look for information to come home in your child's backpack. You can also visit [www.kyrene.org](http://www.kyrene.org) and click on the "Tax Credit Donations" link for more information. Thank you for your support!

## Arizona Science Center on Wheels Workshops

The Arizona Science Center Science on Wheels workshops are underway and will continue through November 13<sup>th</sup>. These workshops were paid for with tax credit donations. A big thank you to all the parents who volunteered to help in the classroom during the sessions. The Science Center does a great job and the kids are really enjoying them! Please read below for information on the topic of your child's workshop.

### Kindergarten: Good Vibes

Good vibes is an assembly program that covers:

- Sound is caused by vibrations
- Sound travels through solids, liquids and gases
- The speed of a vibration changes the pitch

### 1<sup>st</sup> Grade: Constructioneering

Constructioneering is a hands-on introductory engineering and construction program that covers:

- Different geometric shapes and materials are found within a building
- The total weight of a building must be supported and balanced to prevent collapse
- As a structure's height and/or design changes, the center of mass changes
- All structures are always either in tension or in compression

### 2<sup>nd</sup> Grade: Chemysteries

Chemysteries is a hands-on introductory chemistry program that covers:

- States of matter
- Investigating scientific methods including predictions and observations
- Physical and chemical reactions

### 3<sup>rd</sup> Grade: Soda Bottle Rocketry

Soda Bottle Rocketry is a hands-on introductory program that covers:

- Thrust is created when fuel is forced out of the bottle at high speeds
- Newton's 3<sup>rd</sup> Law of Motion will be used to explain the motion of the rocket
- Drag can be reduced by making the rocket more aerodynamic
- There is an optimum weight for rockets; light enough to be propelled by thrust but heavy enough to overcome drag

### 4<sup>th</sup> Grade: Really Cool Science

Really Cool Science is a program that uses liquid nitrogen to cover:

- Effects of extremely cold temperatures on solids, liquids, and gases
- Matter is made of molecules that are in constant motion
- The three states of matter
- Thermal contraction and expansion (expand when hot, contract when cold)

### 5<sup>th</sup> Grade: Body Works

Body Works is a hands-on introductory body systems program that covers:

- Digestive System

