



Front Range Teen Science Cafe'

Teen Science Cafe' Network

scientists & teens exploring the world





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14 Teen Science Cafés across the U.S.



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- Offer teens an outside opportunity to experience that anyone can be “**good at science**” or that “**science can be fascinating!**”



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- Offer teens an outside opportunity to experience that anyone can be “**good at science**” or that “**science can be fascinating!**”
- A forum that allows teens with a passion for science to **mingle with fellow teens** and members of the scientific community



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Food, Music, Science!

Second Wednesday of each month

Everyday Joe's Coffee House

Youth Organizing Committee

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Matt



Betsy



Burke



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- Promote the café – distribute posters to area schools and place around town (library, coffee shop, etc.)

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Invisible Light Keeps Us Warm! The Science Behind Climate Change

Explored the ways in which light, heat, and radiation shape our climate and make Earth habitable.



April 2014

Time's Arrow, The Nature of Now and Traveling Through Time

Explored time travel, highlighting interesting facts about the way the world works and how it is not ruled out by the laws of physics.



May 2014

Our Soil: The Ecstatic Skin of the Earth

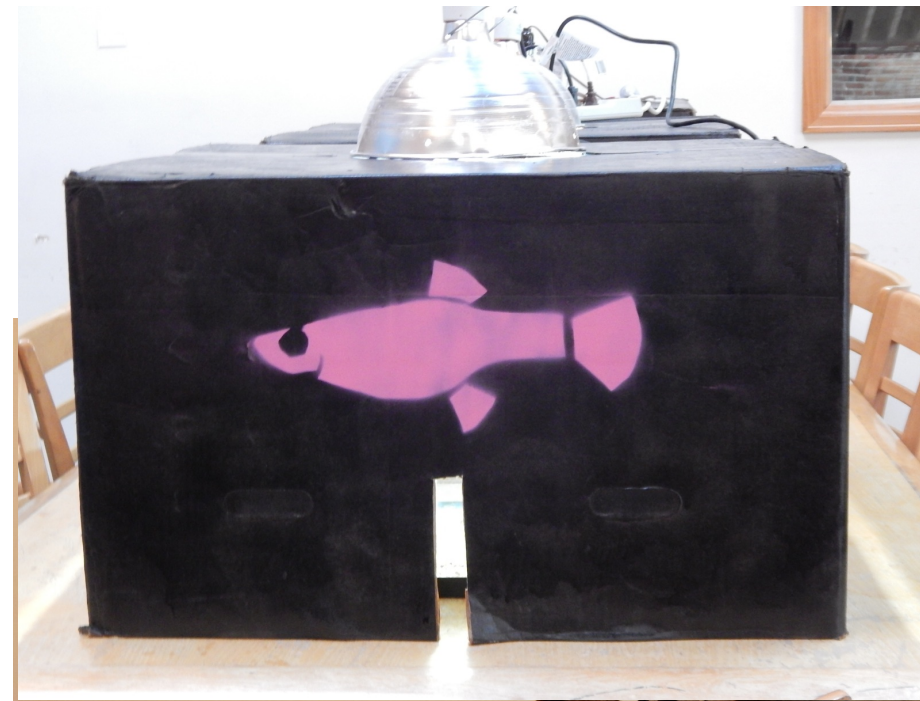
Explored the essential functions of soil in sustaining the planet and provided examples of how soils are used to support life.



June 2014

Small Fish, Big Questions: Guppies Help Us Understand Evolution

Demonstrated how to make observations of guppy behavior and color patterns, discover differences among three different populations, and learn how these small freshwater fish from Trinidad and Tobago are used to study evolution.



September 2014

Engaging Teens in Science and Health Through Hands on Anatomy and Neuroscience

Explored hands-on anatomy demonstrations that illustrated the effects of poor health decisions, such as eschewing sunscreen, smoking cigarettes, abusing alcohol, or taking drugs. We used these organs to explore the importance of healthy lifestyle choices.



October 2014

The Science of Sound and Music

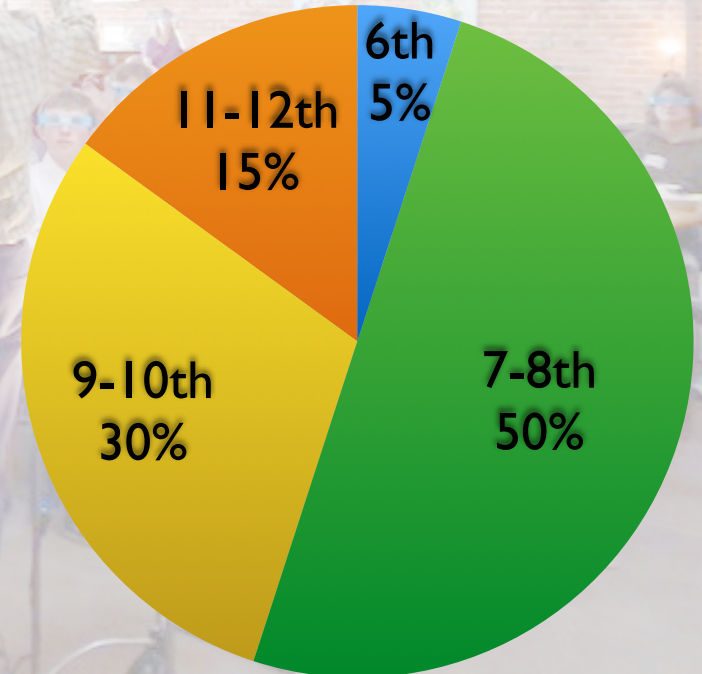
Why does a flute sound different than a clarinet? When you play a violin, where does the sounds actually come from? Our November Science Café explored basic science principles underlying the richness of the auditory experience we call music, and highlighted a local high school jazz quartet!



November 2014

Teen Science Café... by the numbers

- Hosted **6** cafés in 2014
- **3** scheduled during Spring 2015
- Average number of participants per Café: **30**, parents: 10
- **55%** teens are female
- **60%** attended more than once



Cafe Attendees, Grade Level

Upcoming Cafés

Seeing into the Future: How Anticipated Action Leads to Spatial Perception

February 2015

Jessica Witt
CSU Psychology



Courtesy: Jessica Witt

“Hearing” With Your Tongue (application for sensory substitution)

March 2015

John Williams
CSU Mechanical Engineering



Courtesy: John Williams, CSU SOURCE

Future of the Front Range Teen Science Café

- **We want to continue to host them!**
- **SOGES (School of Global Environmental Sustainability) at CSU is interested in collaborating with us**

