

Science Is Elemental: Update #6

06/26/23

It's time for camp!

Next month, I will be teaching a Science of Soccer camp, associated with the [Springwell School](#) in Silver Spring, MD and [ArtPlayLearn](#) in Laurel, MD. In August, I will do the same in support of an actual music teacher for a Music and Vibration camp. If you know of someone in the Maryland area that loves soccer and/or music, please check out these camps and more at <https://www.springwell.school/summer-camps>

The soccer camp is just that, a soccer camp. The intention is for any kid who likes soccer to like this camp. However, we are also including concepts of experimentation, to help campers think about which techniques work best in dribbling, passing, shooting, etc. In addition, we'll introduce, very gently, the concepts of velocity, acceleration, and vector.

Likewise for the music camp, if a child likes music, they should like this camp. Through fun, hands on activities, we'll introduce the concept of waves, wavelength, frequency, and amplitude. The campers should mostly feel like they are having fun and making music/noise! The real fun, though, comes when they build their own stringed instrument, with tunable sound. No Stradivarius-like instruments will come of this camp, but they should be able to play simple tunes on their homemade instruments.

I hope to expand this program for the following year, through volunteers/paid college students able to teach classes, and incorporating the science associated with more activities beyond soccer and music. If you know of someone who might be interested, contact me at ann.miller@scienceiselemental.org

Mission: Change science education to encourage more understanding of and respect for the scientific process by all high school graduates, through starting science education in the early grades



SIE is on Patreon!!

If you are not already familiar with Patreon, take a look. It's a great way to support the creative efforts of a variety of artists, musicians, and yes, nonprofits.

Most Patreon pages offer limited free content, and then one or more tiers of subscription content. The price of the lowest tier ranges from \$1 to \$5 per month.

SIE has two tiers, one at \$3 for month, and one at \$10 per month. The lower tier buys access to content not available for free. The higher tier buys additional access, in the form of being able to ask and get answers to science-related questions.

If you are in MD or DC, please also consider a donation by sending a check to Science is Elemental, P.O. box 61262, Potomac, MD 20859. I hope to have a website donation page up soon.

Clearinghouses and Chemists Without Borders

Science is Elemental (SIE) is partnering with Chemists Without Borders (CWB) to develop two science education-related clearinghouses. The first clearinghouse will provide a one-stop-shop for eligible science education opportunities that are available and/or accessible through the internet. Eligibility is contingent on having sound scientific merit to the opportunities (age appropriate) and, where relevant, appropriate child and physical safety measures.

As a pilot for this clearinghouse, SIE and CWB will focus on virtual opportunities focused on grades K-8, and, when relevant, highlighting chemistry.

The second clearinghouse will be a continuously updated list of upcoming local boards of education meetings. In this way, those interested in speaking up for science education will know where to do so.

If you are interested in volunteering, contact info@chemistswithoutborders.org or ann.miller@scienceiselemental.org

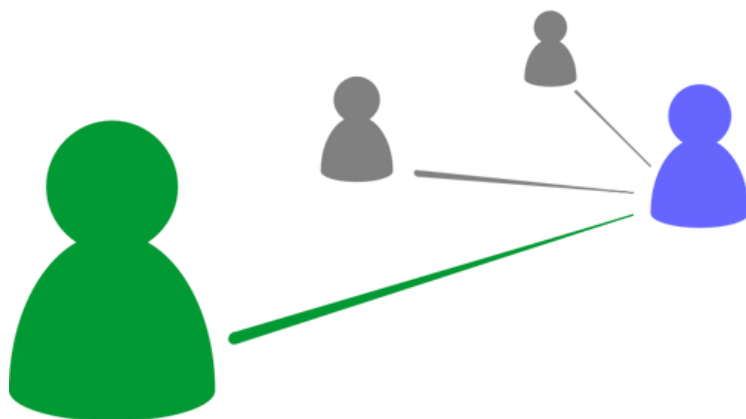


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Humanitarian needs

Canadian Wildfires

Climate change is likely to continue to warm the planet, increasing the chances for wildfires, and increasing the duration of fire seasons. Much of the east coast of the U.S., and other states in the Midwest experienced very unhealthy air quality earlier in June due to fires in Canada. It's just the beginning of fire season.

All of us can contribute to reducing this problem by reducing our carbon footprints. Even if you just switch from disposable plastic bottles to reusable ones, you are making a difference. Does much more need to be done than that, and by large corporations? Sure. But that doesn't mean our efforts don't matter.

And in the meantime, if you would like to help those most directly affected by the wildfires, you can take a look at these organizations:

Canadian Red Cross: www.redcross.ca

United Way of the Northwest Territories:
<https://www.canadahelps.org/en/dn/82499?v2=true>

United Way Halifax Recovery Appeal:
<https://www.unitedwayhalifax.ca/give/united-way-halifax-wildfire-recovery-appeal/>

If you can help with these recovery efforts, I know those affected will appreciate it.

