

# Peak Area Leadership in Science (PALS) 2019-2020

## Professional Development Workshops\* for Science Teachers

Meetings are FREE! Reservations (and cancellations) required!\*\*

To make reservations register online at [www.sciencehubs.org](http://www.sciencehubs.org)

or contact Tammy Johnnie at [rsvp@sciencehubs.org](mailto:rsvp@sciencehubs.org) or 719-337-1552 (cell)

Date/Day/Time	Topic	Location	Contact Hours /Sem Credit***
<b>Aug. 24, 2019</b> (Sat.) 7:30 am – 4:30 pm	<b>Exploring Science Processes at the Florissant Fossil Beds National Monument</b> Jeff Wolin and Kevin Jauregui	<b>Florissant Fossil Beds</b> Meet Bus at Cheyenne Mountain Junior High School by 7:15 am.	<b>7.5 / 0.5</b>
<b>Sept. 18, 2019</b> (Wed.) 4 pm - 8 pm	<b>Waste Water Treatment &amp; Water Quality with Colorado Springs Utilities</b> Sandy Williams - Water Quality Lab & Brendan Cavanaugh - Water Treatment	<b>CSU - Water Quality Laboratory &amp; Water Resource Recovery Facility @ 701/809 East Las Vegas Street - 80903</b>	<b>3.75 / 0.25</b>
<b>Sept. 28, 2019</b> (Sat.) 8:00 am–4:00 pm	<b>The Uplift of Mountains – Fault Patterns along the Front Range</b> Dr. Steve Getty	<b>Colorado Springs Area</b> Meet Bus at Cheyenne Mountain Junior High School by 7:45 am.	<b>7.5 / 0.5</b>
<b>Oct. 19, 2019</b> (Sat.) 7:15 am – 5:00 pm	<b>Life - Pushing the Limits @ DMNS</b> Tim Blesse and Staff DMNS	<b>DMNS (Denver, CO)</b> Meet Bus at Discovery Canyon Campus - D20 by 7:00 am	<b>7.5 / 0.5</b>
<b>Dec. 7, 2019</b> (Sat.) 8 am – 4:15 pm	<b>Building a Culture of Argumentation in YOUR Science Classroom</b> Tim Blesse and Robert Payo, DMNS	<b>Sand Creek High School</b>	<b>7.5 / 0.5</b>
<b>Jan. 25, 2020</b> (Sat.) 9 am – 5 pm	<b>Chemistry of Textiles and of Fuels</b> Gary Balaich, Ron Furstenau & Abby Jennings	<b>USAFA Chemistry Department</b> Meet at the front entrance to the USAFA Cadet Fieldhouse	<b>7.5 / 0.5</b>
<b>Feb. 11, 2020</b> (Tues.) 4 pm – 8 pm	<b>Back to the Moon, and on to Mars: Making Connections BEYOND Earth. . . Advancing Possibilities FOR Earth</b> Jodie Guillen, Space Education Specialist	<b>US Space Foundation Discovery Center</b>	<b>3.75 / 0.25</b>
<b>Mar. 11, 2020</b> (Wed) 4 pm – 8 pm	<b>Fascinating Fingerprints</b> Myra Valdez, Terrie Watts, Sandy Smith	<b>Discovery Canyon Campus</b>	<b>3.75 / 0.25</b>
<b>Apr. 4, 2020</b> (Sat.) 8:30 am – 12:30 pm	<b>From the Nile to the Colorado - Hippos and Water Conservation</b> Stacey Graham, Cheyenne Mountain Zoo	<b>Cheyenne Mountain Zoo</b> Meet at the front entrance to Cheyenne Mountain Zoo	<b>3.75 / 0.25</b>
<b>Apr. 16, 2020</b> (Thurs.) 4 pm – 8 pm	<b>Physics in the Natural World - Little Shop of Physics</b> Brian Jones & Sheila Ferguson	<b>Discovery Canyon Campus</b>	<b>3.75 / 0.25</b>
<b>May 2, 2020</b> (Sat.) 7:30 am – 12:00 pm	<b>Cave Exploration with CaveSim and Cave of the Winds</b> Dave Jackson & Jackson Fulcher, CaveSim and Staff, Cave of the Winds	<b>Cheyenne Mountain Junior High School &amp; Cave of the Winds</b>	<b>3.75 / 0.25</b>
Generous funding for these workshops provided by: <b>The Mikkelson Foundation &amp; The Mikkelson Education Fund</b> <b>USAFA K12 STEM Outreach Program</b>		<b>TOTAL</b>	<b>60 hrs / 4 sem credits</b>

**Sessions offered January – May 2020 are dependent on funding.**

\* The information above is subject to change! See our web-site [www.sciencehubs.org](http://www.sciencehubs.org) for a detailed flyer posted around the date of the previous month's meeting and for any updates to the information above.

\*\* **NEW** - Reservations are accepted for any meeting at any time. Sign up for all of the workshops you'd like to attend at any time and mark your calendar. PLEASE... if you cannot attend, contact Tammy ASAP, as we may have a waiting list and/or may have to pay in advance for your spot.

\*\*\* Documentation will be provided free for active participation in any hub meeting. In order to receive college credit you must earn a minimum of 7.5 hours or 0.5 semester credits. No college credit is given for only 3.75 hours or 0.25 semester credits. College credit only earned in increments of 0.5 semester credits. Hours/credits accumulate for the current school year only – no carry over for prior or future school years. Documentation / credit available at the end of the school year, typically in July.