# TREAT YOURSELF TO SOME FUN SUMMER PROFESSIONAL LEARNING

**DENVER MUSEUM OF NATURE & SCIENCE**

For More Information, or to register go to: **www.dmns.org/tpdk12**



**Blended Course**

## Phenomenon Driven Sensemaking

For greater engagement and deeper conceptual understanding
For 5-12 Science Educators

**Times:** 8am-4pm

### Course Description:

Join us for a series of three hands-on in-person days that focus on evidence-based teaching & learning strategies that you can use tomorrow. In these workshops we will learn how to construct learning sequences that are engaging to students, produce durable conceptual change that helps students make sense of the world around them, using cross-cutting concepts and science & engineering practices in a systematic way that builds on what they already know. The goal is to stimulate lifelong curiosity and problem-solving ability in a way that the brain naturally does it. Expect to work alone and have time to bounce your ideas off your colleagues as you find your own path through what you teach in your class.

**Dates:** *June 12-13 required* for all participants
*& October 4* only required for university credit

### Registration Information

**Option 1**

Certificate of hours for 15 hours (summer only)
- Attend the two face-to-face summer workshop days (June 12 and 13) at the museum

**Cost: $250** *includes meals, materials, & prizes*

**Option 2**

3.0 Graduate-level re-licensure credits (summer & fall)
- Attend the two face-to-face summer workshop days (June 12 and 13) at the museum
- Complete 4 weeks of asynchronous online implementation in your classroom (Sept 6-Oct 5)
- Attend the final face-to-face day in the fall (Oct 4) where we extend and put it all together

**Cost: $300** *includes university credits, meals, materials, prizes*



**Field Course**

## Dunes, Dark Skies & Diversity

A Natural History Immersion Experience in Colorado's San Luis Valley
For PreK-12 Educators, Friends & Family Members over 12 years of age

**Cost**

### Course Description:

Join us for a 3-day, 2-night immersion experience in southern Colorado, camping and exploring at the foot of the towering Sangre De Cristo Mountain range. Explore the largest sand dunes in North America. Learn about the geology, hydrology and natural history of this unique area-Great Sand Dunes National Park. Visit a waterfall and hike into the surrounding mountains. Engage in Citizen Science. Learn about montane ecosystems. By night enjoy the night skies of an International Dark Sky Park, one of the darkest places in the country.

**Dates/Times:**
*June 7 Pre-Trip Orientation @ Museum* only required for university credit

**Basic Package Price Includes:**
- All meals (prepared by guides) & snacks

***June 12-13 Overnight Field Course***
*required all participants*

**Credit : 1.5 Graduate Level Relicensure Credits (*Optional*)**

**Basic Package:** $375 (includes all meals, showers, campsite, and programming)

**Optional Add-ons:**
$75 per camping rental package (dome tent, 1-2 sleeping bags, 1-2 sleeping pads)
$150 for a safari style tent (w/queen bed) – *supply is limited*

- Shower, bathroom, camping and cooking facilities
- Guide services & presenters
- Necessary permits
- All materials
- Re-licensure creditt

**Basic Package Does not include:**
- Tent, sleeping bag and personal gear (can be rented)
- Transportation to and from the San Luis Valley
- Hotel night before (if you choose to come down ahead of time)

---



**Date/Time:**
*July 2 (8:30 am-3:30pm)*

**Outdoor Learning Retreat & Workshop**

## Educate and Conservate

For K-5  Educators

**Location**

***Bluff Lake Nature Preserve***

**Description:**
*This one-day experience will bring elementary educators to an urban nature preserve to explore an abundance of plants and animals thriving in various habitats concentrated in the heart of Denver. With the NGSS as our guide, participants will delve into hands-on science-based and content-integrated activities that can easily be replicated both inside and outside of the classroom!*

**Cost**

$85 (includes all instructional materials and meals)

---



**For more information and to register:**
www.dmns.org/tpdk12



*Generous support of the Museum's Teacher Programs Department provided by SCFD.*