

## Welcome to a Special Event!

### Taking PolarTREC to the Classroom and Beyond Reflecting on the Experience



20 November 2019

#### STEM Experience Reports

These reports succinctly summarize teachers' professional benefits of the field experience, a description of field activities, and a classroom implementation plan. Reports are designed to target an audience of funders, researchers, and future participants.

Researchers associated with PolarTREC expeditions will be able to utilize the reports to communicate their science and as a tool to share their broader impacts activities.

#### STEM Experience Report - Michael Penn



View Full Report

Never, in my 27 year career as a teacher, have I had so many students so interested and enthusiastic in so

#### **Learning Resources**

PolarTREC Learning Resources is a collection of articles, lessons, activities, interactive media, and more for educators, families, students, or anyone interested in teaching or learning more about the science of the Arctic and Antarctica.

A majority of the resources have been contributed by educators that have participated in the PolarTREC program. In particular, lesson plans written by the PolarTREC alumni have been vetted and tested. Many of these resources have been aggregated into "Collections". The collections are a chance to find all types of resources that all pertain to a specific discipline or location.

We encourage you to explore the many resources using the search interface below.

Please email info@polartrec.com if you have any questions, suggestions, comments, or issues with the resources.

Displaying 1 - 50 of 1521 Search Items per page Resource Title Author Region Date Type PolarConnect Event with Kim Young and the Winter Respiration in the Event Judy Fahnestock 2019 2019 Meet and Greet Webinar 26 March Event Judy Fahnestock 2019 13 March Investigating Penguin Populations of Antarctica Bridget Antarctic 2019 Ward

#### Filter by Type

- Article (332)
- Web Link (303)
- Event (235
- Lesson (217)
- Activity (58)
- Activity (36)
- Presentation (
- Audio (27)
- . Fast and Fun Fact (18)
- Polar Profile (16)

#### Filter by topic:

- Polar Science (308)
- Earth Science (258)
- Life Science (252)
- Physical Science (144)
- Polar Careers (128)
- . Environmental Studies (121)
- Archaeology and Anthropology (46)
- Engineering (28)

#### The 2019 Arctic Cohort





#### The Educators:

Falk Ebert (Germany), Katie Gavenus (US), Anne Gold (US), Freiderike Kruger (Germany) & Lisa-Marie Heusinger (Germany)

> The 'Met Sled' Research Team, mostly from U of Colorado: Sean Horvath, Ola Persson, Chris Cox, Anne Gold, Matt Shupe (not pictured)

and MOSAiC School Students, including Tatiana Matveeva





## The Northern Chukchi Integrated















## <u>Shrubs Snow and Nitrogen in</u> <u>the Arctic 2019</u> – Kate Steeper





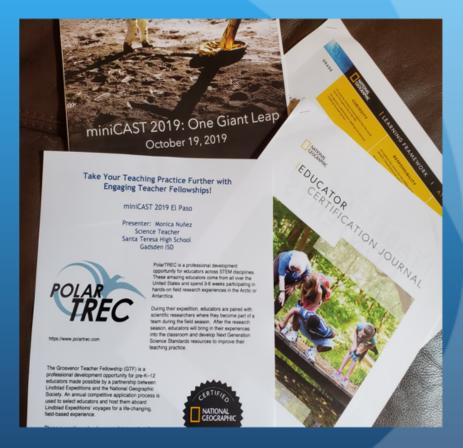




# UTEP Arctic Change & Education Northern Alaska



Polar TREC Fellow: Monica Nuñez Principal Investigator: Dr. Craig Tweedie



Presentation materials for our local miniCAST 2019 science conference in El Paso, TX.















Orgo Challenge
Question 1

Link in bio. Bottom of page.

Got the fly rod out yesterday!

Postcard Challenge: Who can name this fish species?





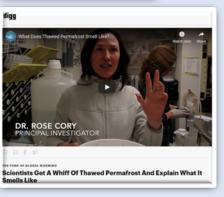












## Reflections & Reports

A chance to hear from YOU!

- Implementation in the classroom
- Updates on outreach and lesson plans
- Highlights of challenges, surprises and successes
- Future plans to collaborate with the cohort and research teams

#### **Resources & Reminders**

- Finish any program requirements (vet lessons & STEM reports with researchers)
- Researchers can view profile of teacher and see progress and share
- Funding to those that finish requirements