

## 1. Contact Information

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**Name:** [REDACTED]

**Email:** [REDACTED]

**Home Address:**

[REDACTED]

**Home Phone:**

**Cell Phone :** [REDACTED]

**Institution Name:** F [REDACTED] hy

**Institution Address:**

[REDACTED]

**Institution Phone:** [REDACTED]

**Classroom/Office Extension:** call main office to be transferred

**Institution Fax:** [REDACTED]

**Institution Website:** https [REDACTED]

**Other relevant websites:**

**Supervisor's Name:** [REDACTED]

**Supervisor's Email Address:** [REDACTED]

## 2. Demographic Information

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**a. Gender:** Female

**Race:** [REDACTED]

**c. Briefly describe your primary audience and surrounding community (e.g. K-12, public, rural/urban, technology access, economics):** [REDACTED]

12 charter with 3 campuses. I work in grades 7-12 on the secondary level campus. I teach CTE and a class for 7th graders. I also teach yearbook.

**d. Type of School (or students you work with):** Public

**Other Type of School** It's a charter school - public, [REDACTED]

**e. What is the population of your annual audience or school (estimates are fine)** school is about 1000 students, I teach about 180 students per semester

**f. School Ethnicity:**

15 % - American Indian or Alaska Native

10 % - Asian

2 % - Black or African American

40 % - Hispanic or Latino

2 % - Native Hawaiian or Other Pacific Islander

25 % - White

5 or 6 % - Multiracial

**If your school uses other categories to describe race/ethnicity, please describe:**

**g. Percentage of students who receive free or reduced lunch:** 30

**h. Average class or audience size** 20

**i. Total number of students/audiences you teach in a year** 300

**j. If known, what are the approximate start and end dates of your school year or primary programs, etc. ? Include major professional vacation periods. i.e. Christmas break, summer break, etc.**

mid August - mid May. We're done by Memorial day.

### 3. Teaching Experience and Education

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**a. What type of university degree or other academic experience or qualifications do you have?**

**Bachelor's Degree (Major)** [REDACTED]

**Bachelor's Degree (Minor)** [REDACTED]

**Masters Degree (Discipline):** A [REDACTED]ers candidate

**PhD Degree (Discipline):**

**Other Degree:**

**b. How many years of education experience do you have?:** This is my 8th year teaching in a school, 10th year teaching (taught [REDACTED] years)

**c. How many years have you been working at your current institution?:** This is my first year at the [REDACTED]

**d. List up to 10 relevant professional licenses, certifications, registrations, awards or honors that you have received in your profession::**

[REDACTED]ation board member for 3 years (2015-2018), National Art Education Association [REDACTED] representative, ESL endorsement, ed tech endorsement, working on CTE endorsement, current fellow at the Teacher Innovator Institute through Smithsonian's National Air and Space Museum.

## 4. Professional Assignment

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**a. What is your primary education assignment? Check all that apply** Middle b  
School (Grades 6-8), Secondary (Grades 9-12)

**Other Primary Assignment**

**b. What subjects do you teach? Check all**

**Other Subjects** Photography, Yearbook, Graphic Design, College & Career  
Awareness

## 5. Motivation for Participation

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**a. What motivates you to apply to PolarTREC and professionally, what do you hope to gain from the experience? (200 words maximum)**

I want my students to see that teachers are continually improving themselves. I want my students to have an example of someone reaching for their dreams of being the best they can. They've seen me fail and they'll see me succeed. I'm interested to participate in scientific research and be able to tell my students and show them pictures so they'll know science is accessible. I want them to break their prejudice of what science is and who can do science.

**b. Aside from journaling/blogging, online photos, and webinars which all part of our program requirements, describe your ideas on how you will share this experience in your classroom or with the audiences you work with. (200 words maximum)**

I would create a photo show at my school to share with my community. I would have a Q&A to answer parent/student/other teachers questions. I would make a film about my time in PolarTREC.

**c. Describe how you envision sharing your experience with other educators, your personal and professional communities, and the general public. (200 words maximum)**

I would have roundtable discussions and present at conferences. I currently reach out through email or the app Remind to talk with parents. When I teach new topics I try to present physical examples and images to my students. I try to show them how the issue matters and get them to brainstorm ideas before I present what I think is a valid viewpoint.

**d. Describe how you currently engage your audience and facilitate learning when educating on new and complex topics, concepts, or issues. (200 words maximum)**

I currently reach out through email or [REDACTED] parents. When I teach new topics I try to present physical examples and images to my students. I try to show them how the issue matters and get them to brainstorm ideas before I present what I think is a valid viewpoint.

**e. Describe the particular strengths you would bring to the PolarTREC program and to a field research team. (200 words maximum)**

I can be quiet, I'm a thinker. I like to double-check to make sure things are working

and being done correctly. I can motivate others and I'm outdoorsy. I'm not afraid of discomfort.

**f. Using examples from your own experience including your role and the contributions you made to a team effort, describe how you work as a member of a team. (200 words maximum)**

On my current team, I'm the one filling in the gaps. I'll make sure others remember a meeting that we have coming up or I'll check in to see that others have what they need to succeed.

## 6. Communicating the Experience and Science

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**Write your journal entry for the general/lay audience. (200 words maximum)**

Parent night at school. Every year I have to talk myself out of suddenly developing a case of "laryngitis". In truth, I would never skip this night. I have done it enough years to know that it always goes well and it's actually invigorating to see the parents excited about what their children will be learning. The fun part for me is dividing parents into a "taxonomy" based on their interactions with me. The first group is the "its all about my child" group. These are the parents who are unable to limit themselves to curriculum discussion; they can't help but talk about their children's unique academic histories. I never have the heart to tell them that I've only just learned student's names. Then there's the "prove you're qualified" group. My favorite example was the parent who quizzed me on the history of the periodic table. (I passed! I hope he is reassured his son is in good hands.) While both of these groups can be intense, they are there because they care about their children. The good news is there weren't any members of the "Candy Crush" group. You guessed it, these are the ones who play games on their phones during the presentation.

## 7. Scientific Interests and Research Area Preference

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a. Where would you prefer to go on an expedition? Arctic

Please explain your preference:

I would be excited to join an expedition to either the Arctic or the Antarctic.

b. How long would you prefer to participate in an expedition? (Most expeditions are AT LEAST three weeks.) List any dates or periods of time when you are NOT able to participate in a field expedition

c. Briefly describe your scientific interests. Which scientific topics interest you the most and why? Please note that climate change has become part of nearly all expeditions so you may choose to be more specific about this topic, if applicable. (200 words maximum)

**Atmospheric Systems** - I would really enjoy an expedition in this subject area

**Cryospheric Systems** - I would really enjoy an expedition in this subject area

**Human and Social Systems** - I would really enjoy an expedition in this subject area

**Marine Systems** - I would really enjoy an expedition in this subject area

**Terrestrial Systems** - I would really enjoy an expedition in this subject area

**Ecology and Biotic Systems** - I would really enjoy an expedition in this subject area

**Physics or Space Sciences**- I would really enjoy an expedition in this subject area

**Engineering and Technology** - I would really enjoy an expedition in this subject area

**Other (please specify)**

**Other Areas of Scientific Interest**

e. Are you applying to work exclusively with a specific researcher? If yes, please list their full name, institution, and email address. (200 words maximum)



## 8. Background Information and Skills

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a. **Briefly describe your outdoor skills or experiences.**

Army jungle specialist

b. **Provide a basic statement of your general health and physical condition.**

I walk a lot. My yearly medical checkup came out very good.

c. **Briefly describe the computer type and operating system (Mac/PC) with which you are most familiar and your skill level.**

Both Mac/PC Office Suite mostly

d. **Briefly describe technological devices and software you use on a regular basis and how you utilize these tools personally and professionally.**

Zoom for communication, Office, Browsers and educational APPs

e. **List any additional skills or information that you wish to be considered.**

School audiovisual equipment

## **9. Previous Applications & Participation**

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**a. Have you previously participated in a teacher research experience (e.g. NOAA Teacher at Sea, Earth Watch)? We do not accept applications from PolarTREC alumni.**

**Program Information**

**If yes, did you complete all program requirements?**

**If yes, how do you see the PolarTREC professional development opportunity continuing to develop your professional skills, or how will it build on your previous research experiences?**

## **10. Orientation Availability**

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**Are you available to attend the Orientation during this time period?**

**If no, please explain**

## **11. How did you hear about PolarTREC?**

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**Email listserve. Please provide the name and/or URL**

**Friend or colleague. Provide a name if you wish**

**Former PolarTREC, TREC, or TEA teacher. Please provide their name**

**From a website. Please list the website name and URL**

**Conference or presentation. Please list the venue and/or presentation title**

**Other (please explain)**

**b. Please suggest other places we might advertise this opportunity for teachers**

## **12. References**

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### **Reference 1**

**Name**

**Title and affiliation**

**Email Address**

**Phone Number**

### **Reference 2**

**Name**

**Title and affiliation**

**Email Address**

**Phone Number**

### **Reference 3**

**Name**

**Title and affiliation**

**Email Address**

**Phone Number**

**2020-2021 PolarTREC Educator Application**