

Taking the ice



into the classroom





POLAR

TREC





Core Components of PolarTREC

- Teacher participates in field research.
- Teacher conducts outreach before, during and after the field experience.
- Provides professional development for the teacher.





it like?
June 04 4:25 pm
t Warburton

this last year
June 04 3:59 pm
t Warburton

gs from Atlanta
June 04 3:49 pm
t

g in Sunlight
June 04 8:13 am
-Germinators

Beckendorf | Log out



Climate Change Svalbard

1 Images
Project Maps



Antarctic Undersea ROV

1 Images
Antarctic Undersea ROV



SIMBA Antarctic Sea Ice

1 Images
Project Maps



Oden Antarctic Expedition '06

1 Images
Project Maps



Oden Antarctic Expedition '07

1 Images
Project Maps



South Pole Ozone Changes

1 Images
Project Maps

Human Impacts in

Antarctic Ice Sheet



1 Images
Project Maps



1 Images
Project Maps



Human Impacts in Antarctica
1 Images
Project Maps



Antarctic Ice Sheet Studies
1 Images
Project Maps



Antarctic Weather Stations
1 Images
Project Maps



Greenland Education Tour
1 Images
Project Maps



PreDeployment Create Connections



More



Connections

Deployment

Part Crew Member



and

part Student

Part Teacher

	Topic	Replies	Created	Last reply
	Live from IPY with Kirk!	0	21 weeks 15 hours ago by Janet Warburton	n/a
	Does the sun go down?	2	22 weeks 1 day ago by Guest	12 weeks 1 day ago by FAIR HAVEN STUDENT
	anyone left at Mcurdo Station	5	17 weeks 18 hours ago by Guest	16 weeks 4 days ago by Kirk Beckendorf
	From Brooke 3-R	1	18 weeks 1 day ago by Guest	18 weeks 10 hours ago by Kirk Beckendorf
	hi Mr. B from Sydney 3W	1	18 weeks 1 day ago by Guest	18 weeks 10 hours ago by Kirk Beckendorf
	from Natalie 3-D	1	18 weeks 2 days ago by Guest	18 weeks 10 hours ago by Kirk Beckendorf
	maddie 3R	1	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf
	how cold is it?	3	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf
	Hello Mr.B from Brooke 3-R	1	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf
	Hey Mr. B!!!	3	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf
	hellllo	1	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf
	Hey Kirk!	1	18 weeks 2 days ago by Guest	18 weeks 11 hours ago by Kirk Beckendorf

Teaching from The Ice

- Q and A Link- over 300 questions from students and others
- 30- Online Journal reports
- Live webinar
352 Students and 74 adults
10 states and 2 countries
- 9 podcast on NPR affiliate

POST Deployment

- Continued communication.
- Develop “real” lessons.
- Mentor gifted students.
- Co-authored papers for educators.
- Participation in conferences (science and/or education).

Impacts on students

- “... No, they weren’t in Antarctica, but as excited as they were you would have thought they’d visited there themselves. I believe this experience sparked an interest in both Antarctica and our world ...”
- “The mom of one of my students told me that learning about Antarctica and “talking” with you while you were there, was the best thing that happened to her in 3rd grade this year!”
- Reading your journal is soooooooooo, soooooooooo, soooooooooo fun!!!

- “I had comments from parents that they learned a lot from their kids by talking with them and from getting on the PolarTREC website themselves.”