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## Summer on the tundra: Steiner to study Arctic biology in Alaska By M.A. Lewis

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A Macon County educator will spend her summer in Alaska above the Arctic Circle helping research scientis conduct experiments on per-mafrost — knowledge she will bring back to the class-

Macon Early College scince teacher Susan Steiner was one of 13 teachers na tionwide to be selected this year for the PolarTREC program administered by the Arctic Research Consortium of the United States and funded by the National Science Foundation Office of

Polar Programs.
The Arctic brings to mind bitter cold and blinding snow for most. So what does Steiner say her most important

of gear will be? Mosquito netting and bug repellent

"They said bring a hat just doused with DEET," Steiner smiled. "It might be blinding sunshine. They said to bring two pairs of sunglass

The weather at Toolik Field Station, where Steiner will be from May to July, will be milder that time of year ith high temperatures pos

sibly reaching the 70s.

She got a taste of the cold weather in February, when she went to Fairbanks to train for her trip.

Steiner applied for the program in 2010. Though she made the national cut of 40. she was not selected. This time around she made it. The program pays for all expens-- even the costs of paying a substitute teacher while Steiner is gone training or on

Steiner will be working with Dr. Michael Weintraub of the University of Toledo. Weintraub has had a grant to study Arctic soil interactions for a number of years.
"I get to work alongside

nem (scientists)," she said. The goal is to work to see the scientific process. As teachers it helps us have a more authentic approach to teaching."

The trek will be a long

Alaska, it will take 10 hours to get from Fairbanks to Toolik Station

'It's not the mileage it's the conditions of the road that slows you down," Steiner said. Once there, the amenities

will be far from posh — sleeping in a tent is one of them.

"We have some pretty fancy above ground out-houses," Steiner laughed.

Steiner has a background

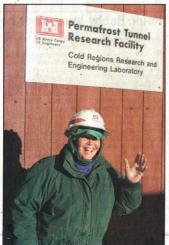
in science. With a back-ground in biology (she earned a degree in biology and has a ma ter's in scien education), she worked as a laboratory technician at Coweeta Hydrological Lab-

oratory for nine years before becoming a teacher. becoming a tea The goal of PolarTREC is to invigorate polar science education and understanding by bringing K-12 educator and polar researchers together. What does Steiner hope to

take away from the experi-

going to Alaska and learning about the tundra interactions learning it firsthand," she said. "A lot of what I learn there I can bring back here to the classroom.

Steiner will be keeping an online journal during her ex-cursion this summer. You can visit it at http://www.pomber/susanlartrec.com/member/susan-steiner. More information on PolarTREC's can also be



Steiner in February in Fairbanks. She had just visited the Army Corps of Engineers Permafrost Tunnel hulled out underground to give a better understanding



Students at Cartoogechaye Elementary try on Steiner's Extreme Cold Weather (ECW) gear. Steiner has visited classrooms to tell students about PolarTREC.