PolarTREC needs assessment.

Glenn Clark

***Classroom vision.***  My science classroom will incorporate practical experiences, research opportunities with eventual sharing of resources with other classes and schools. It will be the responsibility of the students to teach what they have learned to others. In addition students will utilize regional resources (colleges and science centers) to disseminate information to other schools. All materials would be archived for digital distribution.

***Obstacles:*** Our district has limited but adequate technology. Access to assistance with certain questions is often difficult with no full time I.T. staff member. We hope to mitigate this by relying on the regional Board of cooperative educational services. (BOCES).

***Changes I want to make to my teaching methods:***

Consult with various teachers K-12 to develop then implement lessons and units about polar science.

Review common core standards to assure they are met

Research technology opportunities for better unit development

Utilize cooperative agreements with local Universities (SUNY Potsdam, Clarkson University)

***Student needs:*** Prior, during and after my Totten Glacier expedition I will work to provide practical knowledge about

Expedition logistics

Cryosphere history

Climate change and its impact on Polar Regions.

***Researcher Networking Strategy:***  Prior to this expedition I have been in regular communication with chief P. I. Dr. Amy Leventer. This will enable future correspondence and visitations to Parishville-Hopkinton Central school and neighboring schools. These include but are not limited to, Colton-Pierrepont Central School and Canton Central School.

***Pre-expedition networking:***

. Dr. Leventer has visited and presented.

Archive Dr. Leventers’ power point presentation on my resources.

We have completed a public radio interview. (see resources.)

Regional newspaper articles. (see re sources)

***Public Outreach:*** Coordinate communication throughout the region by way of:

North Country Public Radio. (NCPR.org)

Mt. Lake Public Television ( Plattsburgh , NY)

Natural History Museum of The Adirondacks (wildcenter.org)

Guest lecturer at the following:

.St. Lawrence University

SUNY Potsdam Wilderness Recreation

Clarkson University Writing Department

Regional Science Café’ (A professional lecture series)

St. Lawrence-Lewis BOCES distance learning program.