

*G.I.S. - "Getting
Interested in School"
through Technology*

Helix Charter High School

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Student Website - Under construction

<http://stream.helixcharter.net/Trevino/Byrd/GIS.html>



1st Year Introduction to GIS

- ✧ Through Introduction to Social Studies Courses - 9th grade
- ✧ SDSU Learning Module - *Google Earth, Crime Data*
- ✧ Population Modules - *Mapping Our World*
- ✧ Basic GPS - campus scavenger hunts to learn about our school



2nd Year - GIS 1C/2C

- ✧ Basics of GIS

- ✧ SDSU Learning Modules

- ✧ Dr. Ming Tsou - NSF-ATE Grant

- ✧ *Mapping Our World*

- ✧ GISetc - Roger & Anita Palmer

- ✧ GoTo Meetings and Trainings

- ✧ GPS

- ✧ Community Projects



3rd Year - GIS 3C/4C

- ✧ Community Based Projects - Sidewalks at Helix, Trash Cans on campus
- ✧ Advanced skills in *ArcGIS* (3D Analyst)
- ✧ Advanced GPS skills
- ✧ Creation of a Senior Project for final year of high school
- ✧ Working with SDSU Graduate students piloting their projects

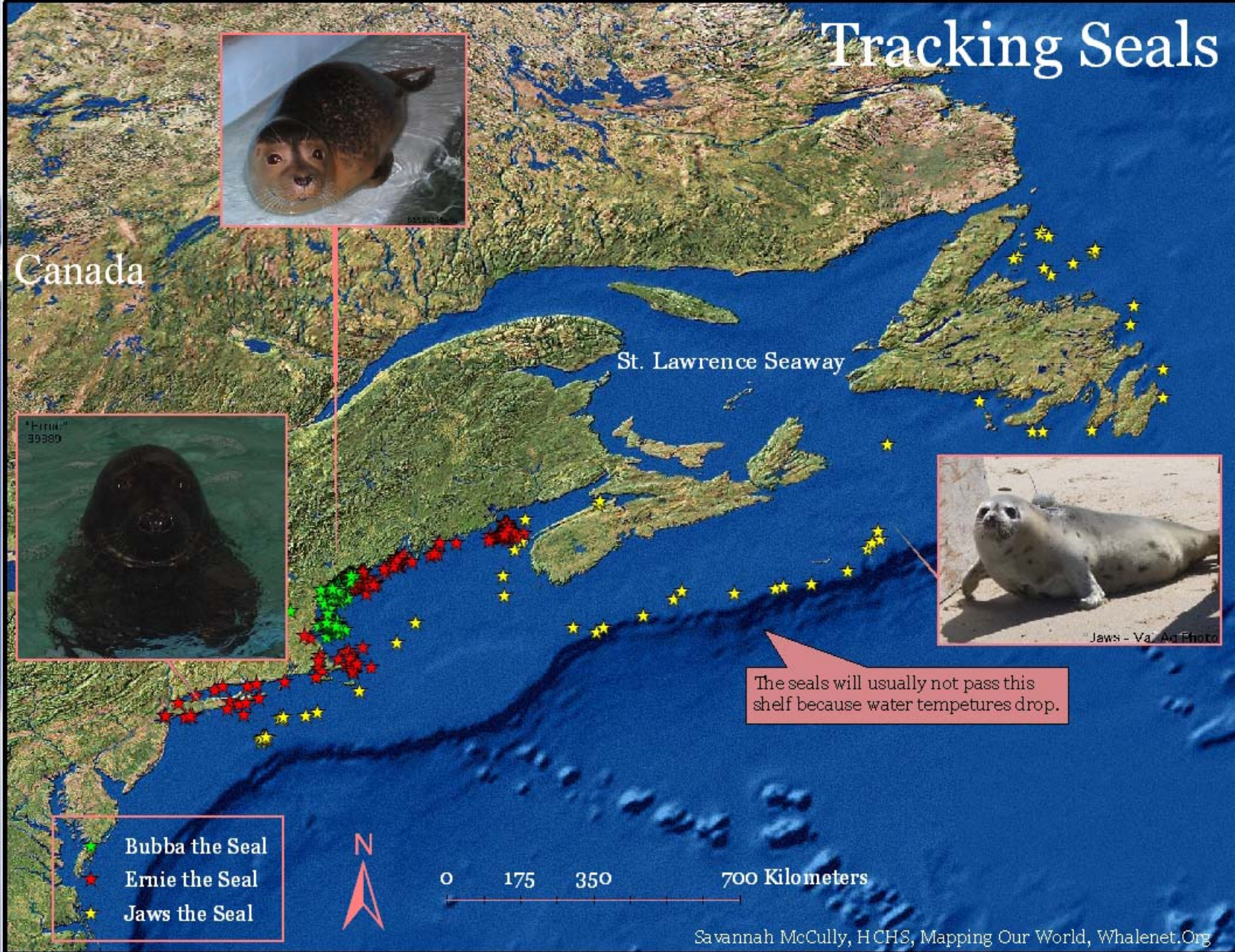


4th Year - GIS Training

- ✧ Students become the teachers through "Senior Projects"
- ✧ Community based
- ✧ Tim - Curriculum development to improve/enhance GPS instruction for 9th grade program
 - ✧ Earth Science and Human Geography Curriculum - Earth Caching

Sample Projects

Tracking Seals



Sample Projects



