Activity: Mapping I- Let’s make a Map”

Lesson Objectives: Students will be able to:
- Identify the “basics” of a map: title, scale, orientation, location, date, key/legend, symbols
- Interpret a topographic map
- Use field mapping techniques
- Use knowledge of “basics” and data from field mapping exercise to create a simple map

Time Required: 1 class period

Materials Needed: drafting compass (1 per group)
Graph paper (1 sheet per group)
Field mapping worksheet (1 per group)
PowerPoint Presentation
LCD Projector
Pencils (1 per group)

Standards Addressed: Science Content Standards
- Domain I: 1. Doing Scientific Inquiry
  2. Living the Values, Attitudes and Commitments of the Inquiring Mind
  3. Using Unifying Concepts and Themes
  4. Doing Safety
  5. Relating the Nature of Technology to Science

Social Studies Content Standards
- History: 1. Change, Continuity, Causality
- Geography: 1. World in Spatial Terms
  2. Places and Regions

Assessment: Students who:
- Can use the information from the map-reading discussion, and the data collected from the field-mapping exercise to create an intelligible map of their own
- Have a good understanding of basic mapping

Teacher Background and Instructions:
See the attached PowerPoint slides and notes
Names: ____________________________  
____________________________

GPS coordinates of the origin:

Orientation of the Baseline:

Length of the Baseline: ___________________________

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<tr>
<th>Object</th>
<th>Distance from the origin of the baseline</th>
<th>Distance from the end of the baseline</th>
<th>Symbol for the object</th>
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