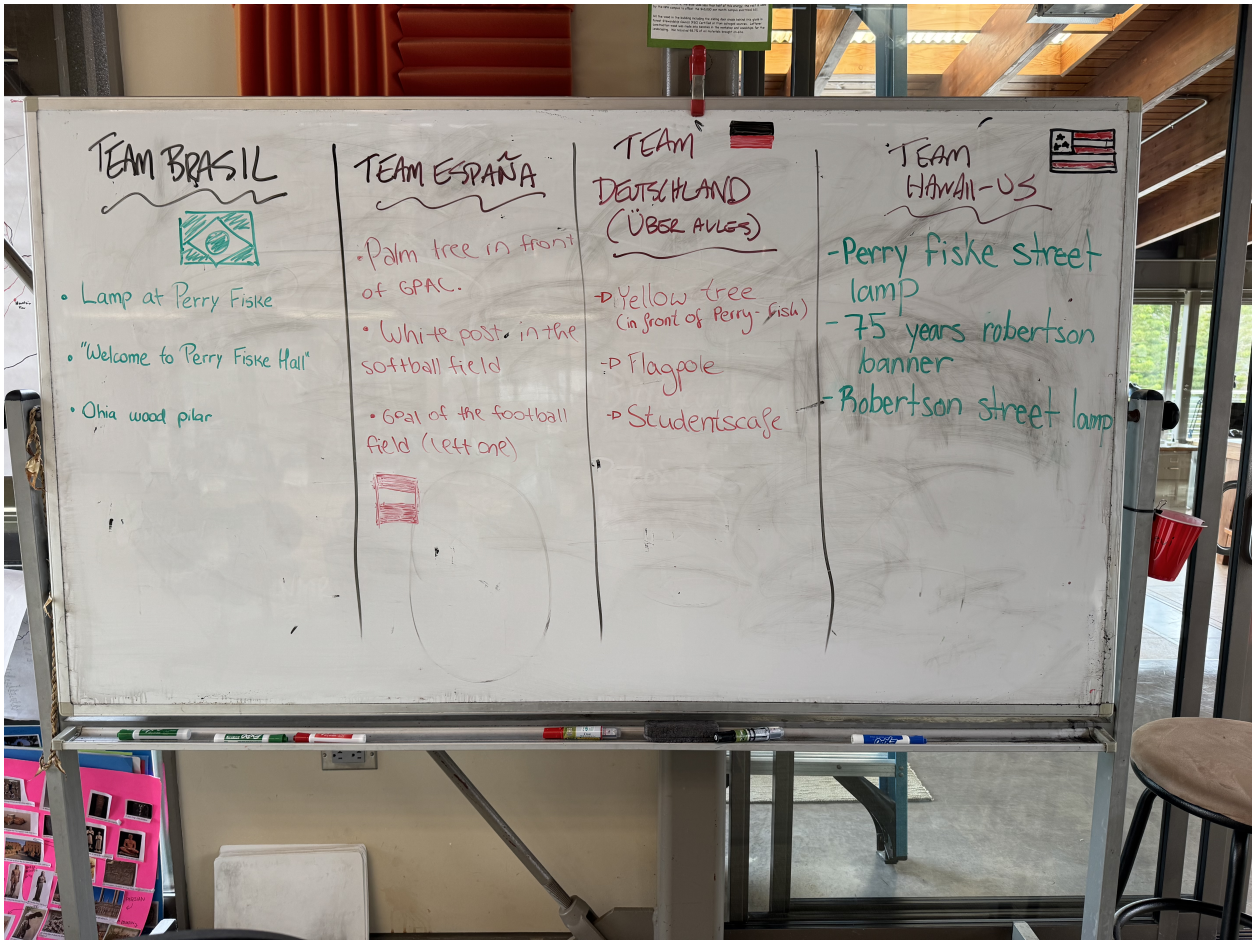
Lab 04: navigation: astrolabe 45-90

45 degree method:

- find your "eye height" by looking at a ruler on the wall, write this down
- set your astrolabe for 45°,
- walk towards the object (pole, building, tree) until it shows up in your sight
- measure the distance to the object
- add your eye height to this distance
- this is the height of the object (isosceles triangle)
- use this method to find the height of the elab, a flagpole, and several objects of your choice

Team challenge:

- each of your teams has measured several items on campus
- find the height of each one (one point each)



IMG_1739.jpeg

Questions:

1. what sort of triangle are you creating?
2. why do you need to include your eye eight?
3. why is this not really useful for distant objects?

Migrated from Apple Server Wiki. Original page ID: r7d1T42

Revision #2
Created 2026-09-29 06:30:56 UTC by Admin
Updated 2026-09-29 06:34:29 UTC by Admin