



Beginning Implementation of GIS in the Elementary grades

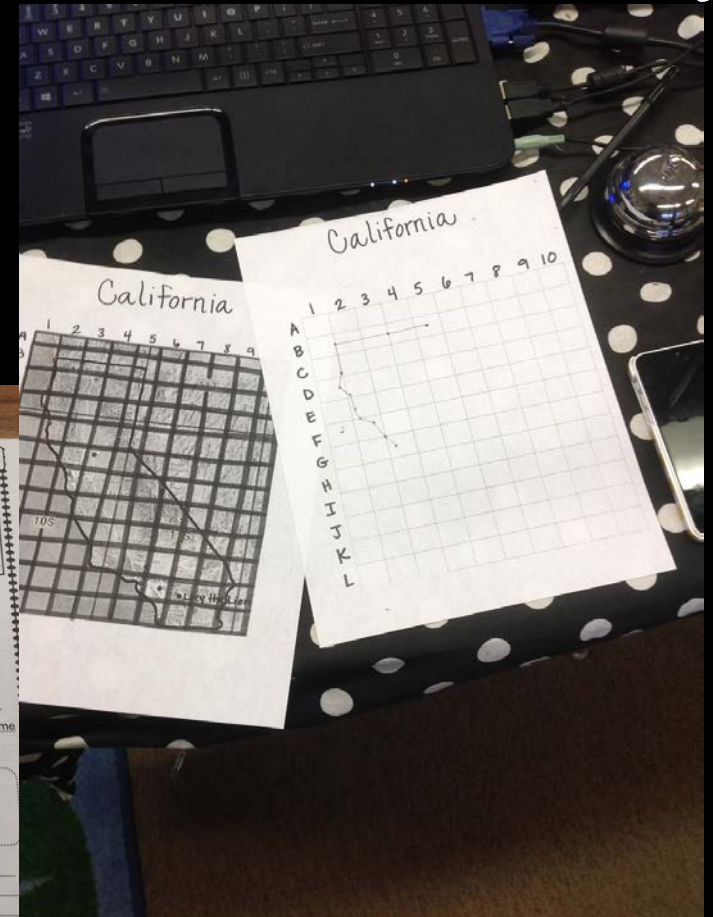
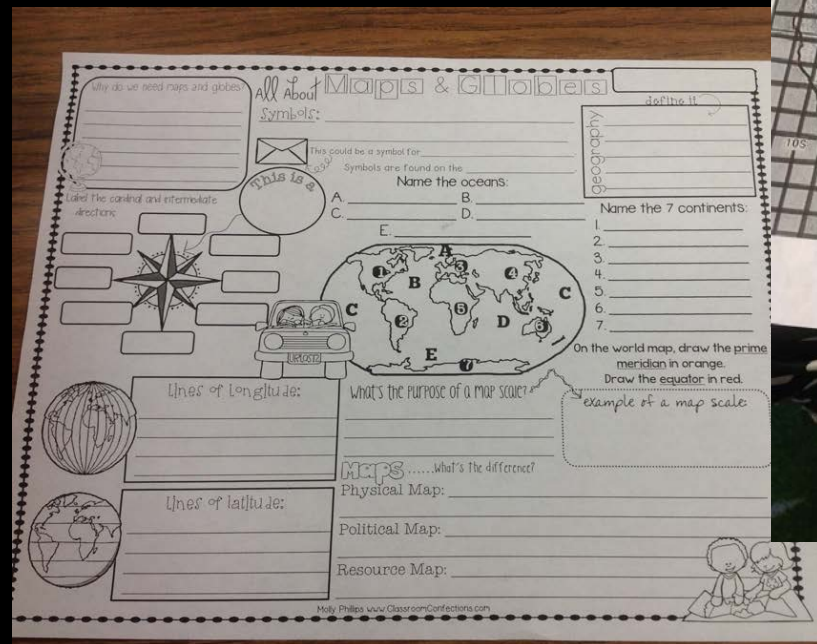
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Agenda

- GIS Day
- Story Maps
- Geo Mentor
- Spatial Thinking Grant and ArcGIS

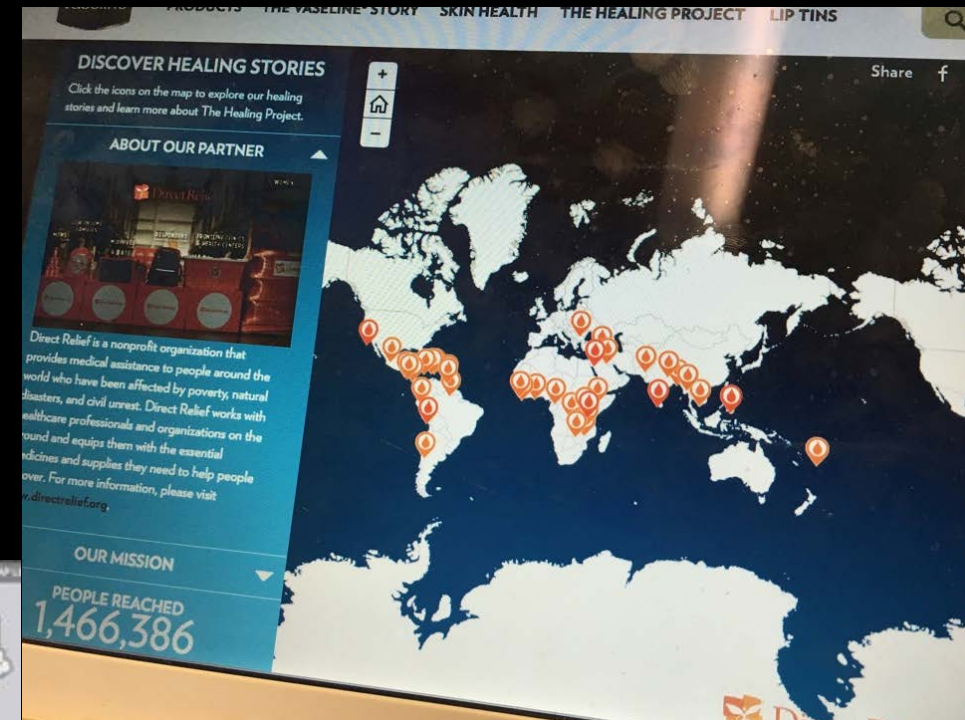
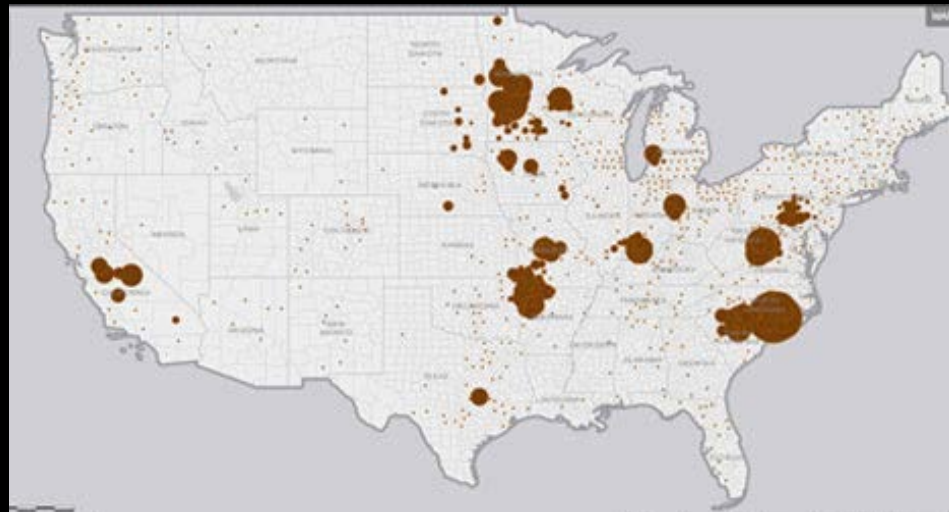
GIS Day

- School-wide event (TK - 8th grade)
- Key to success = no extra work for teachers!
- Activities that have worked well:
 - Digital scavenger hunts
 - Working with grids
 - Drawing our own maps

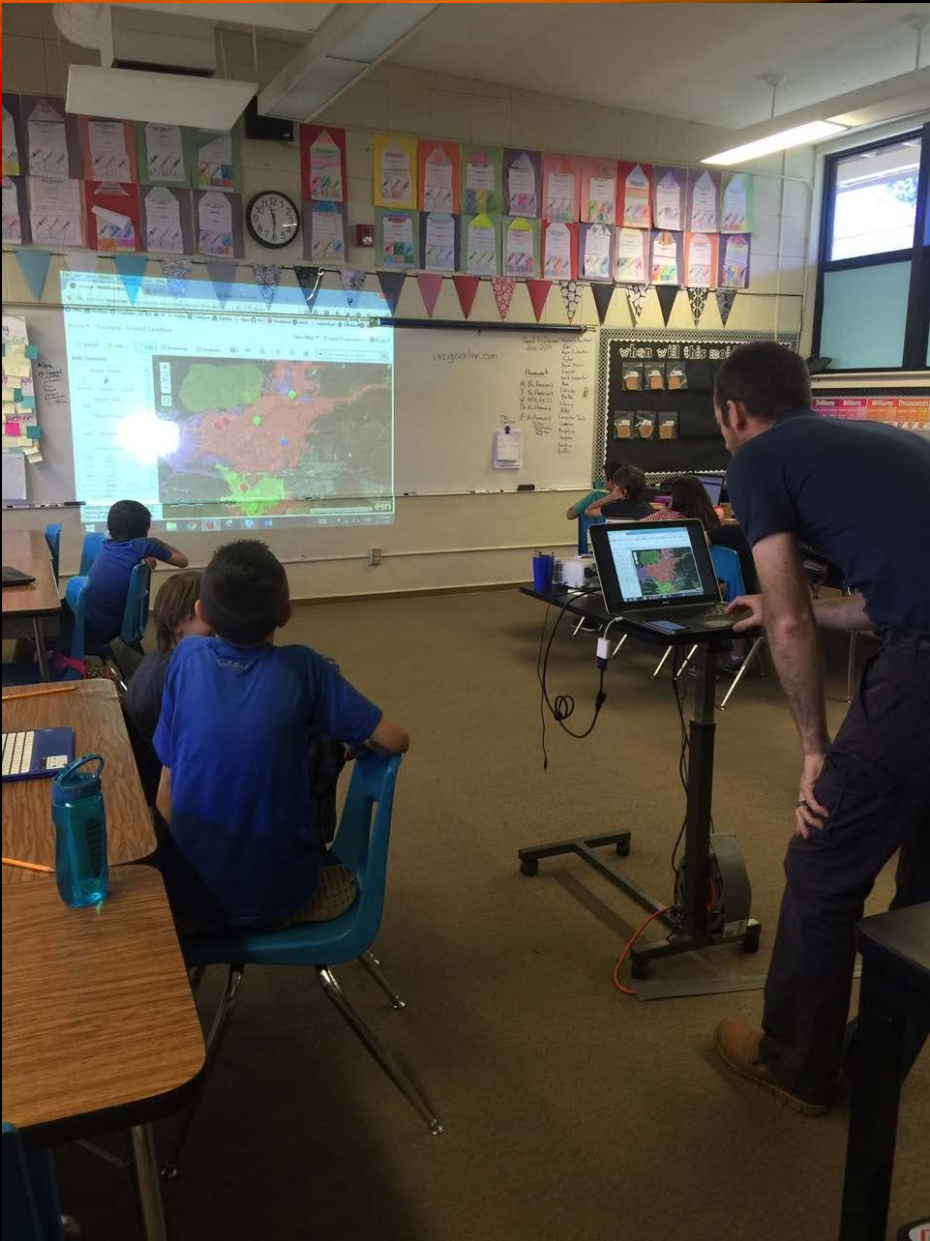


Story Maps

- Use in ELA as another non-fiction reading source
 - Vaseline Project
- Use in math for data and statistics
 - Where Does my Thanksgiving Dinner Come From?
- Creating our own! (not so easy)
 - Community Service Projects
 - California History Projects
 - Based on books read



GeoMentor



- Collaborated on a real world math lesson
 - Local grocery store
 - Area
 - Guest teacher
- Just scratching the surface of this partnership
 - Science
 - Make it fit your needs
- Encourage you to utilize this resource

Spatial Thinking Grant⁶

- K-5 program we are implementing in conjunction with the University of Redlands
- 2 year grant - 1 year of setting up, 1 year of full implementation
- Activities/Lessons
 - Drawing & modeling maps with Legos
 - Tangrams & pentominoes
 - Pattern Blocks
 - Connecting Cubes
 - Implementation year – ArcGIS Online
- Results thus far - it looks promising!



Take Away

- Start small
- Use available resources
- Make it easy for teachers to implement
- Be flexible
- Have a long term plan for continued implementation