GIS day in the Classroom

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CEDAR HILL
WHERE OPPORTUNITIES GROW NATURALLY

What is GISday?

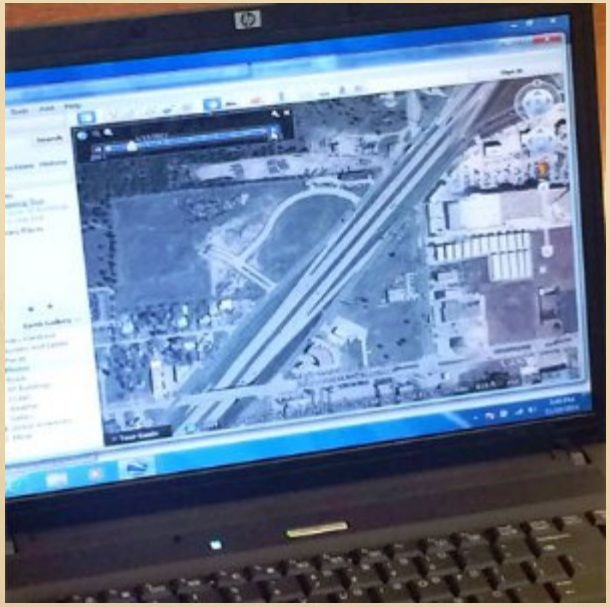
- A grass roots movement to increase knowledge and awareness of GIS as an industry
- Wednesday of Geography Awareness Week
- Third week of November
- Launched in 1999 in partnership with ESRI and National Geographic Society
- Prompted by Ralph Nader

Who is GISday for?

- GIS Professionals and Users
- Non-GIS Administrators, Managers, Coworkers
- Students
- Public at Large

Previous GISday Events

Previous GIS Day Events



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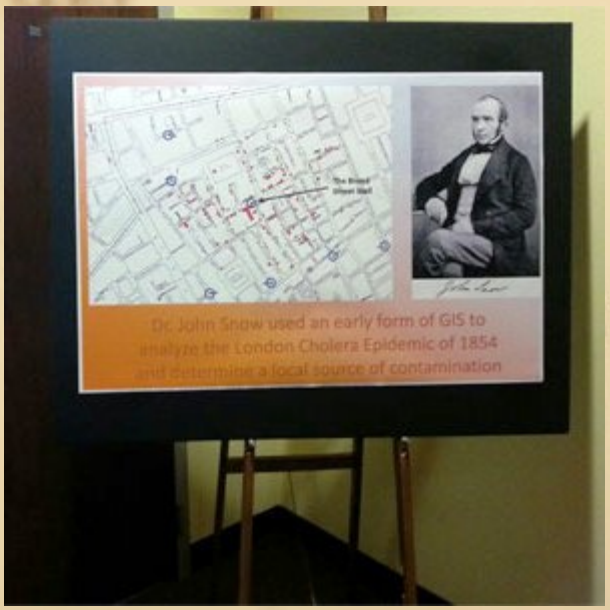

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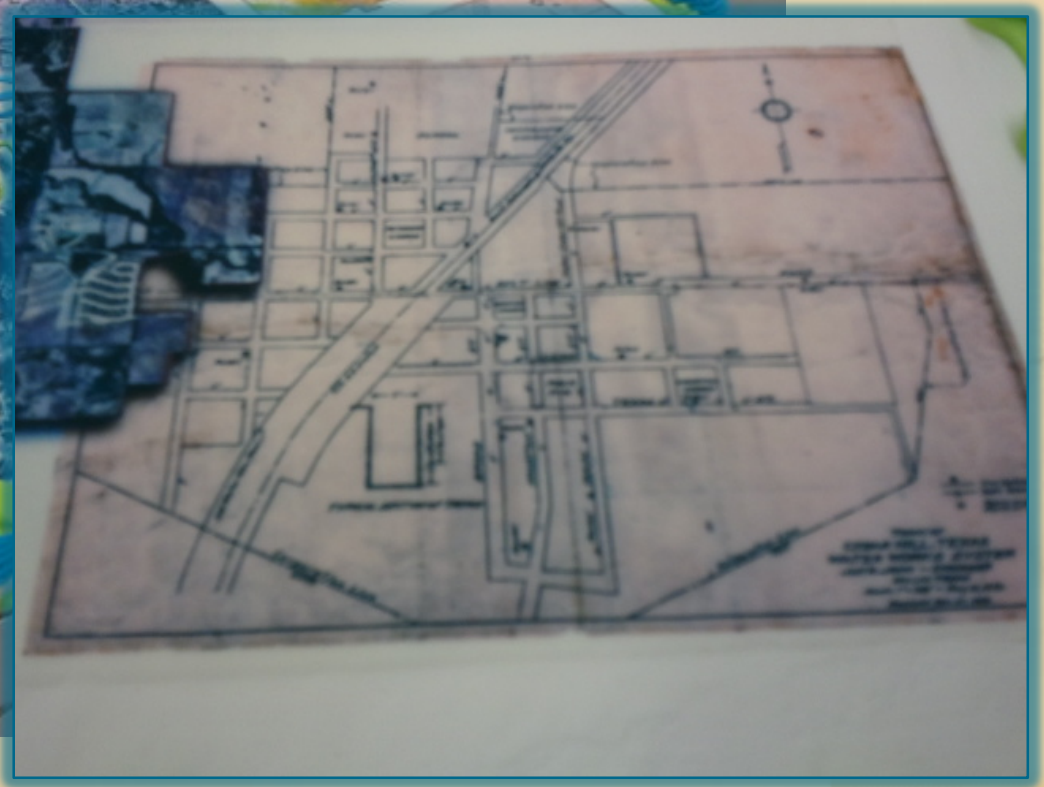


Promoting GIS day

Proclamation by the Mayor

CHISD Promotional Video

http://chisdtv.chisd.net/chisd/features/

Get ConnectED!

- 2013 White House initiative to increase broadband resources for students and teachers
- ESRI provides free ArcGIS Online resources for K-12 students and teachers
- Materials available at connected.esri.com and edcommunity.esri.com

gisday.com Resources for Hosts

- Videos
- Promotional Templates & Guides
- Social Media and Community Connections
- Hands-on GIS Exercises

gisday.com Resources for Hosts

Videos

GIS Day 2015
Story Telling
Career Videos
Young GIS Users
A Map for EVery Story
What is the Big Deal About Maps?
Mapping the Social Studies
Get out into the field
6-5-4-3-2-1 Geography Countdown

Promoting Your Event

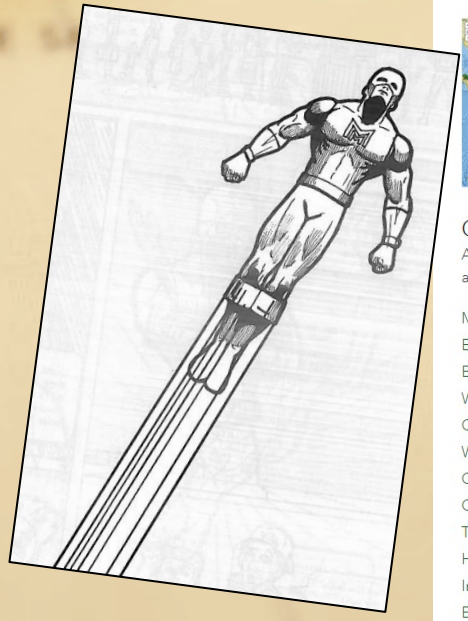
Personalize your event using these GIS Day templates.

Logos [ZIP-4MB]
Flyer [ZIP-18MB]
Poster [ZIP-25MB]
Desktop Background [ZIP-5MB]
Web Templates [ZIP-1.16MB]
Certificate of Participation [ZIP-2MB]
Postcard [PDF-786KB]
Email signature
4x3 GIS Day PPT template
16x9 GIS Day PPT template

Ways to Connect with the GIS Community

GeoNet
Twitter
Facebook
ArcGIS
Connect Ed
Esri K12 GIS Organization
Story Maps
GeoMentor
Esri Spatial Analysis MOOC
Esri Location Advantage MOOC
Penn State GeoDesign MOOC – August 2015

gisday.com Resources for Hosts



Hands-on Exercises

Children

Activities designed for grades 1–4, ages 5–10.

- Mapping Mars [ZIP-1.3GB]
- Explore Places on Earth [ZIP-13KB]
- Explore Mars [ZIP-900MB]
- World Heritage Sites [ZIP-550MB]
- Guide Map [ZIP-700MB]
- Where's Jack [ZIP-200MB]
- GIS Day Comic/Coloring Book [ZIP-50MB]
- Coloring sheets [ZIP-79MB]
- The Silk Road [ZIP-185MB]
- Historical Sites in China [ZIP-1.6GB]
- Imperial China [ZIP-630MB]
- Exploring Mexico…
- Activities from National Geographic
- Thinking Spatially Using GIS

Teens

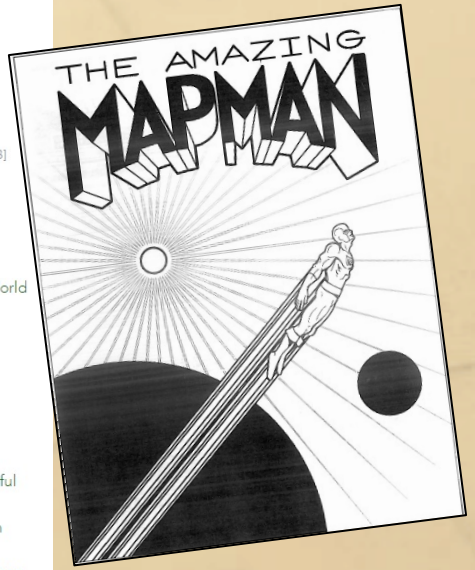
Activities designed for grades 5–12, ages 11–17.

- Mapping Mars [ZIP-1.3GB]
- Inhabiting Mars [ZIP-700MB]
- GIS Day Comic/Coloring Book [ZIP-50MB]
- Geocache Hunt US [ZIP-88MB]
- Geocache Hunt World [ZIP-550MB]
- Lynx Preserve [ZIP-185MB]
- Modern Olympics [ZIP-185MB]
- Suitable Pasture [ZIP-810MB]
- The Great Fire of London, 1666 [ZIP-235MB]
- The Great Plague of London, 1665 [ZIP-10MB]
- Investigating State Historical Temperature Extremes
- Activities from National Geographic
- Teaching about Watersheds and River Systems with ArcGIS Online
- Using Mathematics, Web Maps, Geography to investigate global temperature extremes
- Simple but powerful mathematics with ArcGIS Online
- GeoInquiries for Earth Science
- GeoInquiries for US History
- GeoInquiries for AP Human Geography

Adults

Activities designed for ages 18 and older.

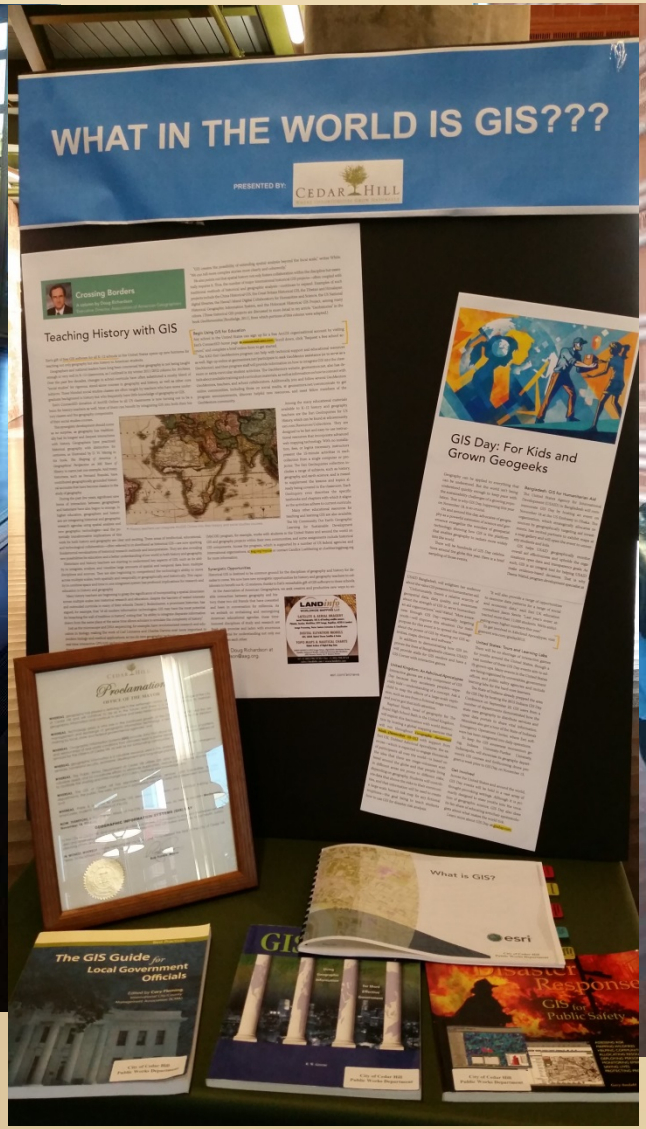
- Mapping Mars [ZIP-1.3GB]
- Inhabiting Mars [ZIP-700MB]
- GIS Day Comic/Coloring Book [ZIP-50MB]
- Geocache Hunt World [ZIP-550MB]
- Lynx Preserve [ZIP-185MB]
- What Is GIS E-book [PDF-60MB]
- Geo Treasure Hunt: Cities of the World
- Geo Treasure Hunt: Mountains of the World
- Weird Earth
  - Overview
  - Details
  - Answers & Discussions
- Earth Quiz
- Geoenabling Citizen Sciences
- The Top 5 Skills You Need for a Successful Career in GIS
- Impacts of Sea Level Rise and Storms on Manhattan
- Teaching Spatial Concepts with Drive Time buffers
- Teaching Spatial Concepts with Viewsheds
- Teaching Spatial Concepts with Zonal Statistics
- Communicating GIS in Informal Setting
- Examining the distribution of Starbucks in



SWAG!!!!!!!!!

GISday at Cedar Hill Government Center

Cedar Hill Government Center



Cedar Hill Government Center

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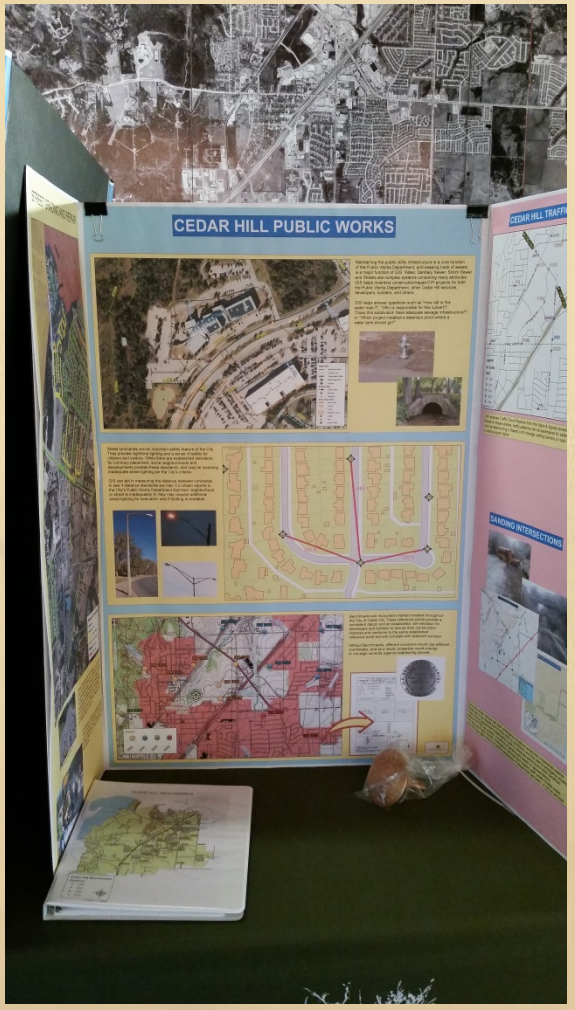
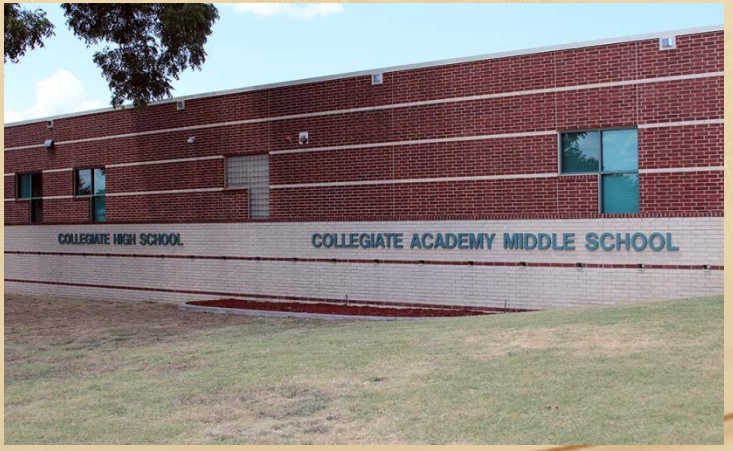
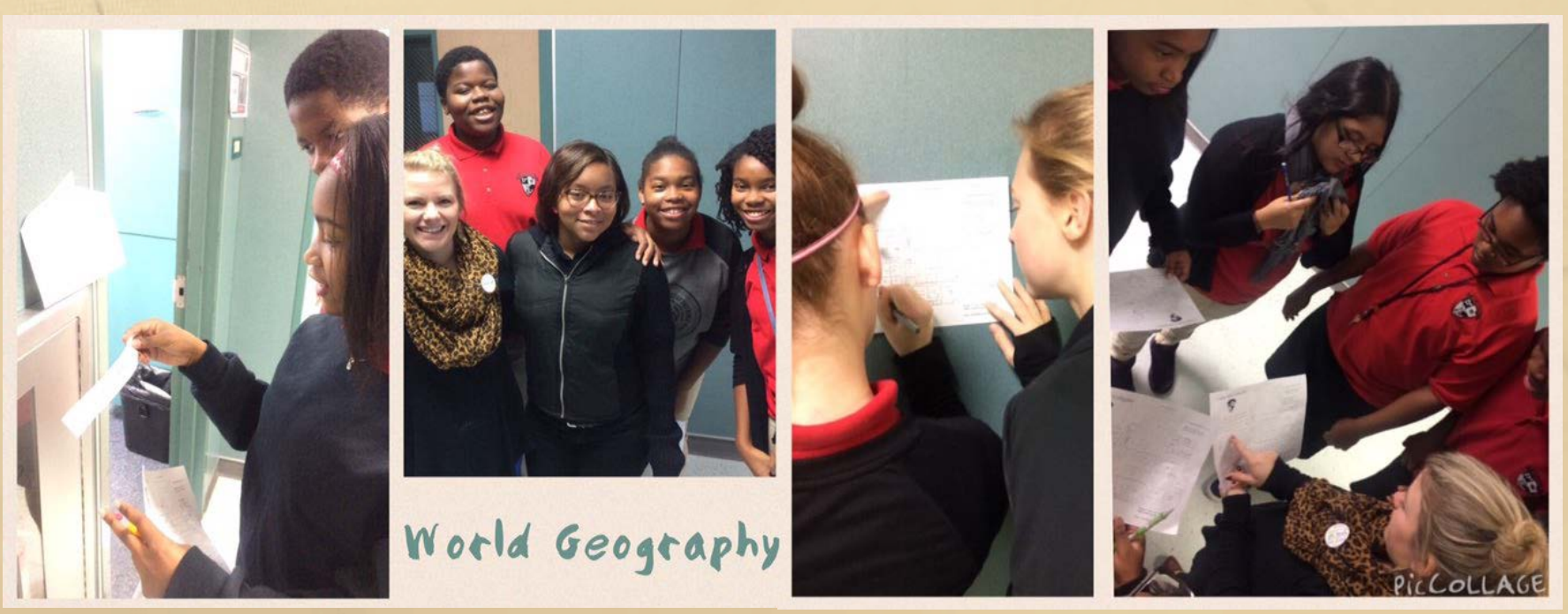


GISday at Collegiate High School and Academy Middle School



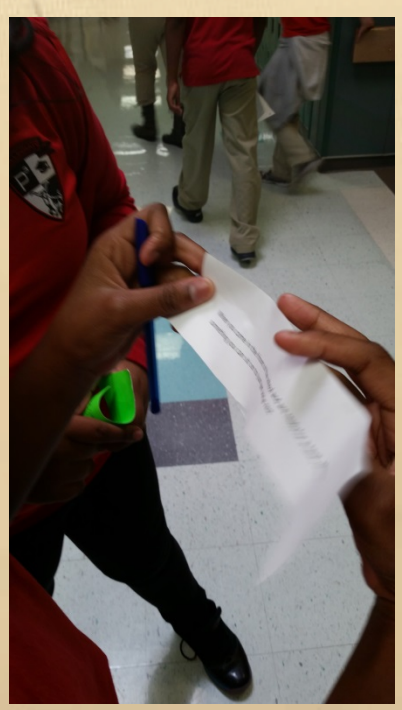
9th Grade World Geography

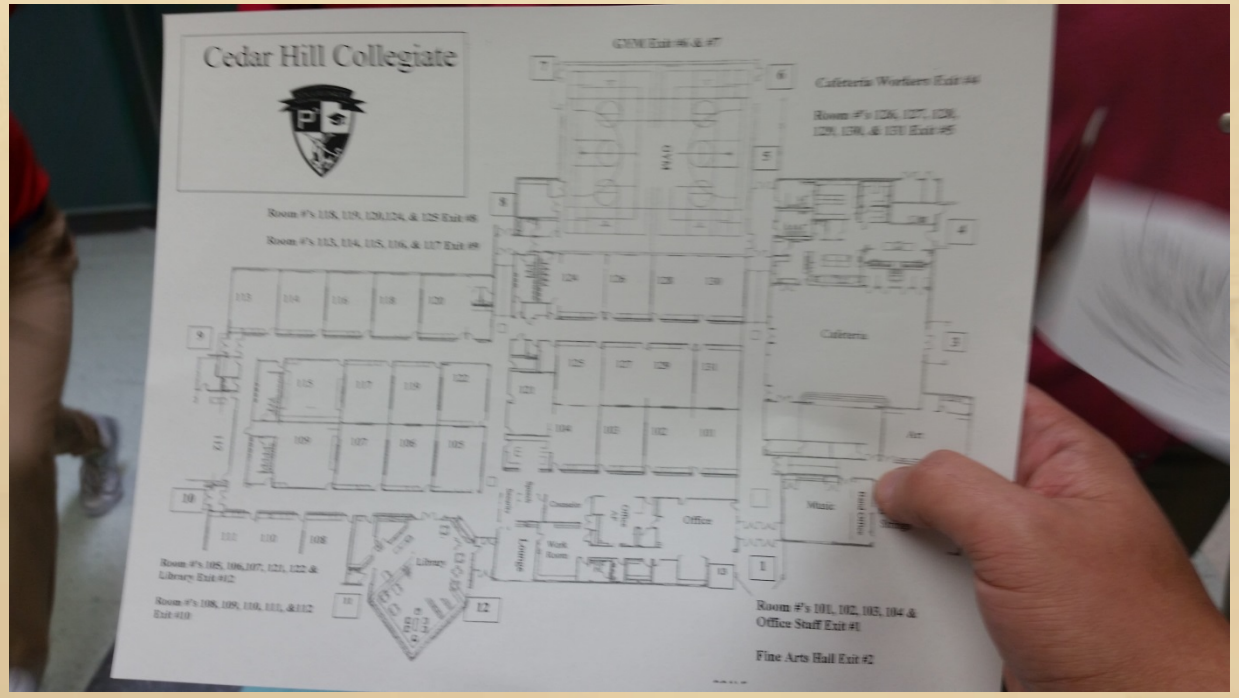
- Mrs. Jordan Fletcher
- Location "Scavenger Hunt" through school
- Q&A discussion in classroom



6th Grade Science

- Ms. Ashley Pierce
- Location "Scavenger Hunt" through school
- Q&A discussion in classroom





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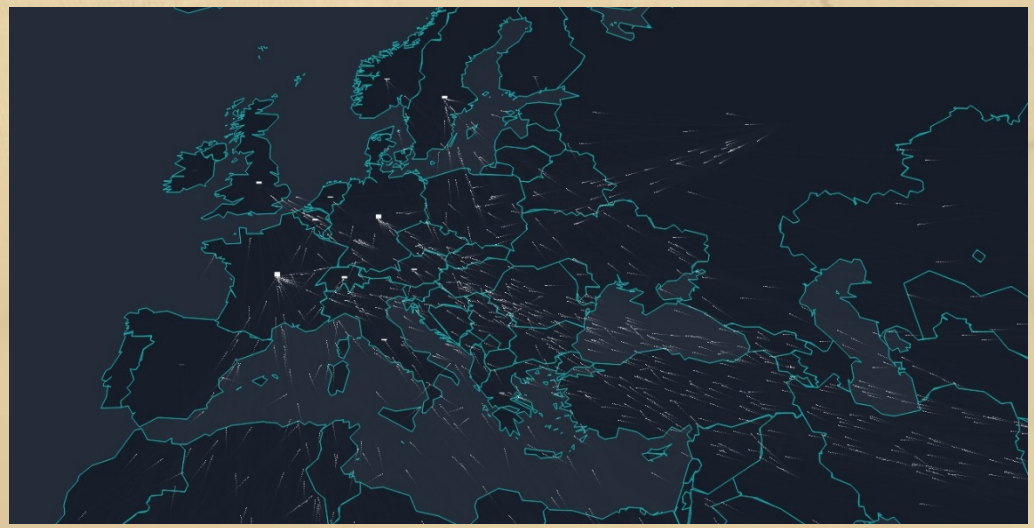
GISday at Cedar Hill Ninth Grade Center

9th Grade World Geography

- "Coach" Jeffrey Ellis
- Video presentations
- Storymap/interactive presentations
- Q&A discussion in classroom



Post Mortem & Key Lessons

Project Planning
How Was the Project Planned?

- Who was responsible for original plans?
  - How did that work? Right set of people?
- Was project well defined from beginning?
  - Was there an actual written plan?
  - How was project plan communicated?
  - How well did that work?

Project Planning
Was the Plan the Right One?

- Was the plan a good one?
  - What was good? What was missing?
- Was the plan realistic?
- How did the plan evolve over time?
  - Was the change good or bad?
  - How did the changes affect the project?
- Key areas for improvement:
  - Make very specific recommendations.

What Went Right

- Presented GIS day activities in multiple locations over multiple days
- Introduced GIS to district students and faculty at local and global scales
- Maintained typical GIS day festivities while also branching out to new audiences
- New promotional/social experiences for GIS and non-GIS personnel and visitors

What Went Wrong

- TOO MUCH, TOO FAST!!!
- Communication (or lack of)
- No clear theme/mandate
- Limited staff/resources

Recommendations

- Start planning earlier
- Seek out more GIS users in the vicinity
- Derive more lessons from ConnectED
- COMMUNICATE, COMMUNICATE!!!
- GIS Day does NOT have to take place during GIS day

Questions & Comments

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