Integrating
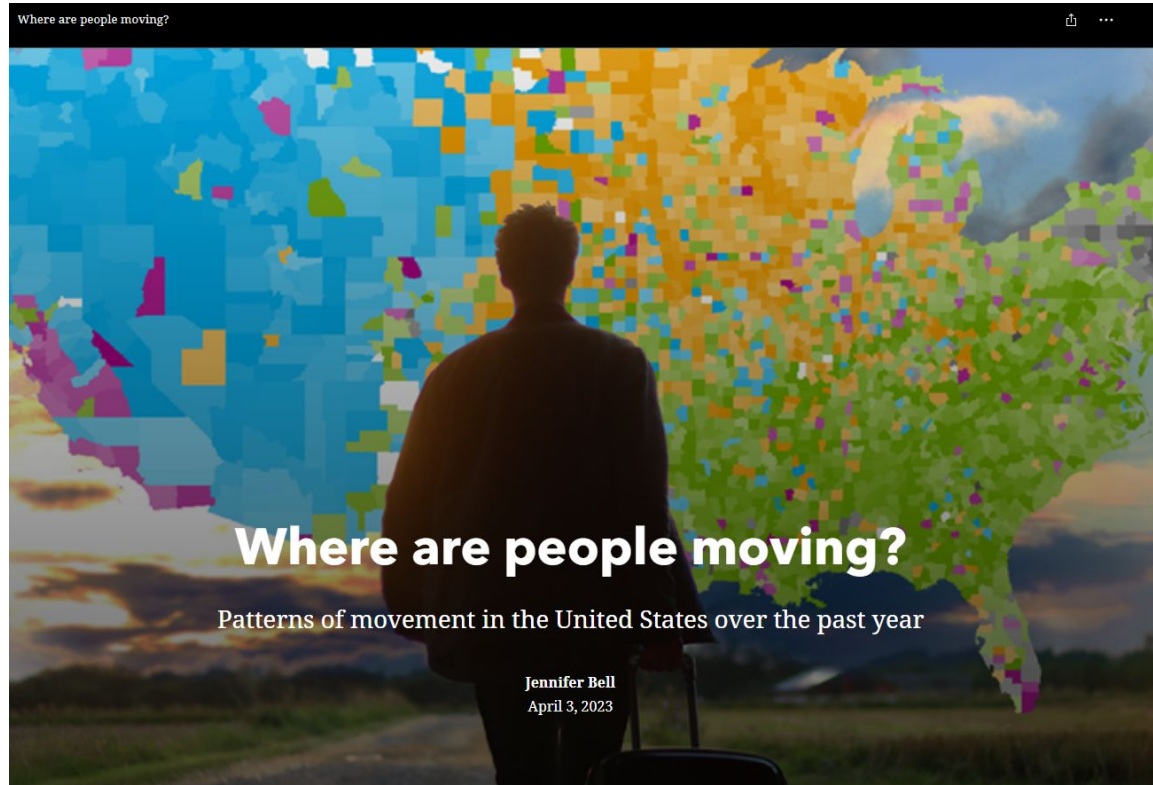# Computer Science + Geography

Professional Fellowship
Orientation Session
Oct 17, 2023: 6:00-7:30 p.m.

CALIFORNIA
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CALIFORNIA GEOGRAPHIC ALLIANCE

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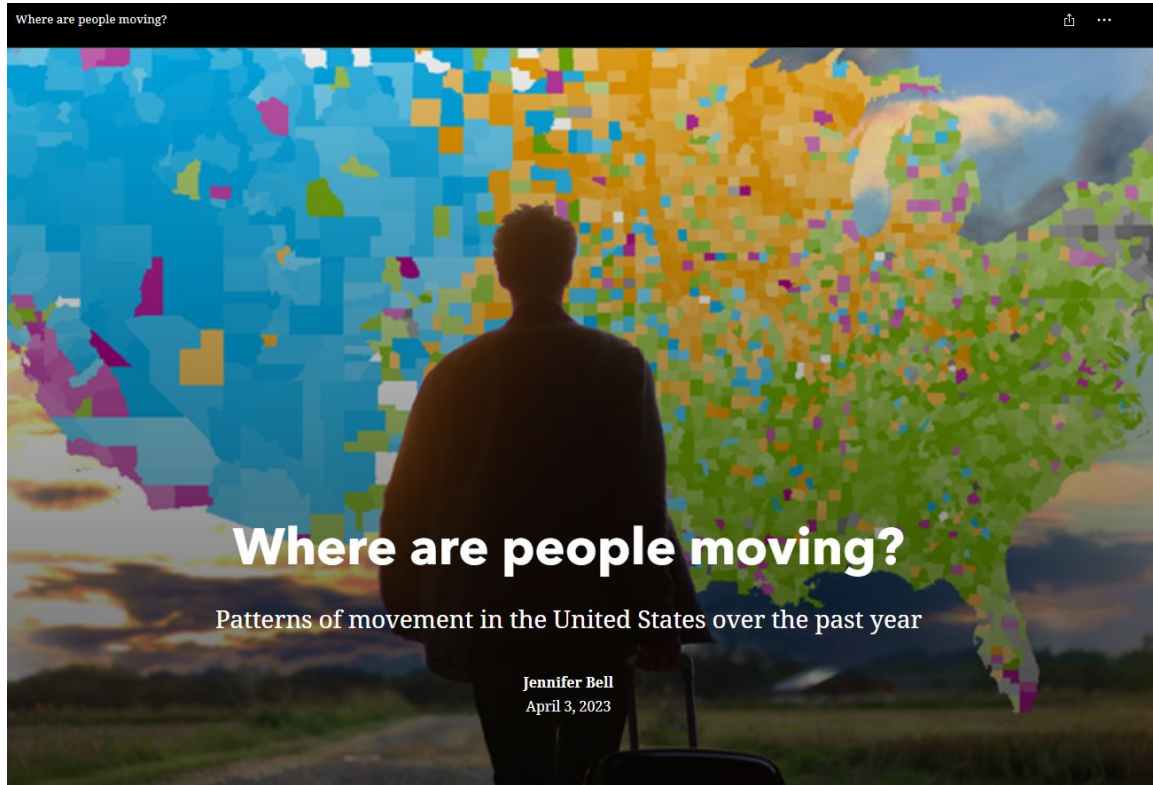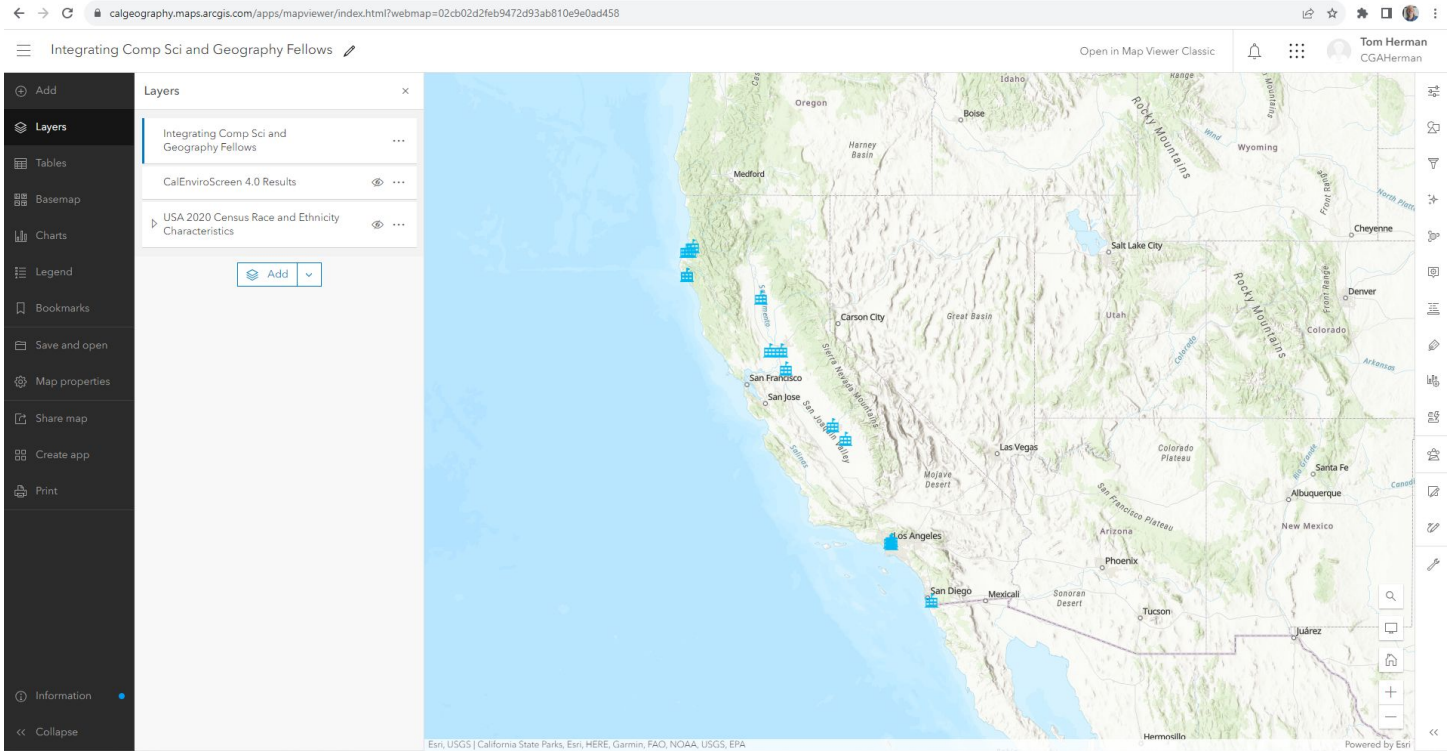**www.calglobaled.org**

5-minute Warm Up

Explore this
Story Map

Introductions

- Share your name, where you teach, and what you teach

- Say one thing you found interesting about the Story Map

Where are people moving?

Where are people moving?

Patterns of movement in the United States over the past year

Jennifer Bell
April 3, 2023

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Making Us a Group

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Orientation Agenda

- Project preliminaries

- Individual roles & group expectations

- Survey the terrain of Computer Science and Geography as school subjects

Orientation Agenda

- ## Project preliminaries

CSMP Integrated Computer Science Project

The California Budget Act of 2022 appropriated $1.6 million to the University of California for the California Subject Matter Project (CSMP) on "a one-time basis to support a UC Subject Matter Project on computer science". This one-time funding is to be used to develop and implement programs and services for K-12 teachers that are designed to build and strengthen their capacity to integrate Computer Science concepts and practices into existing academic disciplines.

-

Orientation Agenda

- Project preliminaries

  - Key point of contact at CGEP Statewide Office, USD:

    Stephanie Duran
    (Please always respond to her in a timely manner!)

    - USD Agreement Letter needs to be signed before November meeting: stipends paid in 2 installments of $750

    - Coordination of travel plans for Summer 2024 institute

Orientation Agenda

- ## Project Preliminaries

  - Monthly meetings (Nov 23 - May 24; Oct 23 - May 25)

    - Learning: will occasionally assign readings or ask for input to help us better understand opportunities for effective integration of CS + Geo

    - Sharing: reports on your work to develop and pilot lessons that integrate CS + Geo; collaborating and problem-solving with others

Orientation Agenda

- Project Preliminaries

  - Summer institute (July 15-17, 2024)

    - Advancing: implementing ideas into new/revised unit and lesson plans for 2024-25 school year

    - Planned for University of San Diego but could change locations with unanimous consent (TBD)

Orientation Agenda

- Project Preliminaries

  - Contribution to CGA/CGEP mission

    - Sharing new ideas and resources with other teachers

    - Bending the force of education toward agency and action

    - Advocating for an updated curriculum strong in CS + Geo

Orientation Agenda

- ~~Project preliminaries~~

- Individual roles & group expectations

  - Attend meetings and maintain engagement

  - Respect the group, its members, and our collective goals

  - Invest time and energy in learning and practicing

  - Take shared responsibility for deliverables

Questions?

Orientation Agenda

- ~~Project preliminaries~~

- ~~Individual roles & group expectations~~

- Survey the terrain of Computer Science and Geography as school subjects

Computer Science

- CA K-12 Standards adopted Aug 2018 (link)

- Other CDE info and Computer Science Focus Group Report from 2018 (link)

- Computer Science Teachers Assn Standards (link)

- AP Computer Science courses

Geography

- CA K-12 History-Social Science Framework adopted Aug 2016 ([link](#))

- *Geography for Life* standards (no link)

- AP Human Geography

My Efforts in CS + Geo

- Teaching with GIS workshops (since 2015)

- Encoding Geography Researcher Practitioner Partnership (link)

- California's Hub for Environmental Learning and Action (CHELA, 2020)

- Environmental Justice for California Communities (link, 2021)

Integrating
Computer Science + Geography

Next meeting:
Nov 21, 2023: 6:00-7:30 p.m.

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