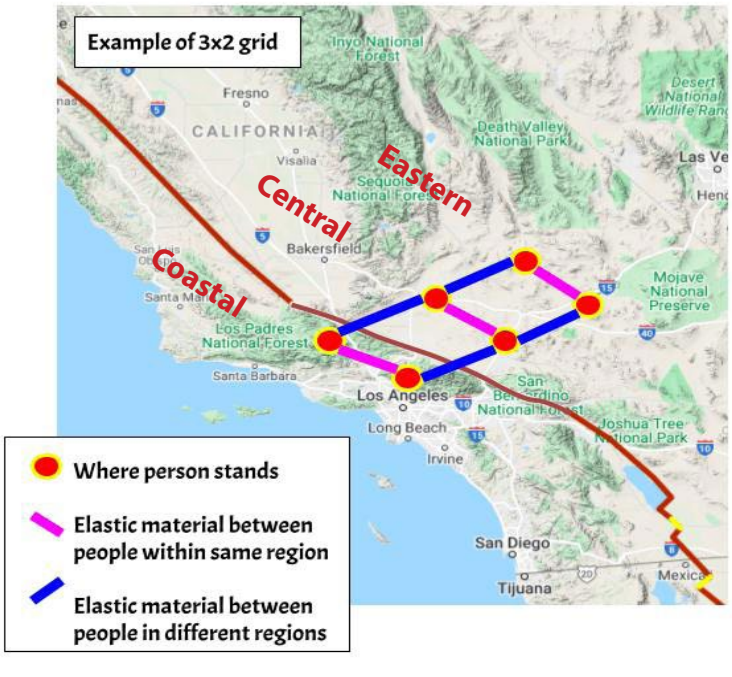
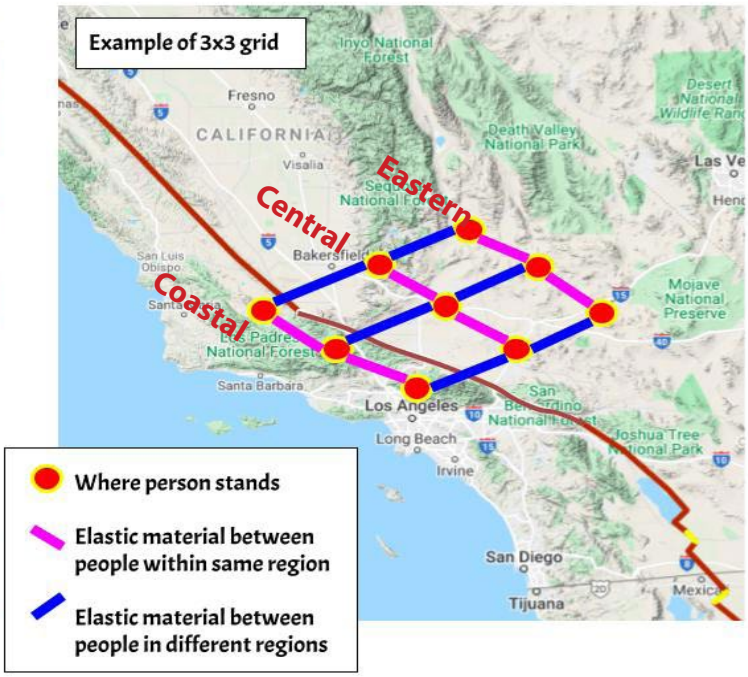
APPENDIX E: Human-scale modeling of ground deformation with Generic GPS Station Signs

Page 2

In this model, learners will act out the vector motion of typical ground motions for different regions of California: Coastal, Central, and Eastern. Learners will be connected to each other with stretchy/elastic bands.

See 20-minute activity preparation and directions sections for instructions to set-up and run the human-scale model.





The image on the left shows a 6-station grid. On the right is a 9-station grid.

A

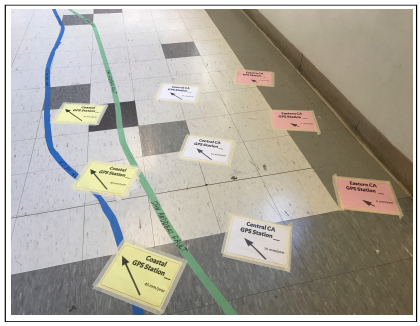


B



Eastern Central Coastal

C



Students represent GPS stations. The blue line on the floor is the CA coastline. The green line represents the San Andreas Fault. **A** shows location of GPS stations (learners) before movement. **B** shows where the GPS stations have moved over a period of time. **C** shows the initial setup of the coastline, San Andreas Fault, and the location of the GPS Station signs.

Coastal CA
GPS Station
45 mm/year

Central CA
GPS Station
15 mm/year

Eastern CA GPS Station __

3 mm/year

