

Teaching Spatial Thinking Skills: Resources for Geography Teachers

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Developing a *Teaching Geography CD-ROM*



- Funded by FIPSE (2004-2008)
- CD is designed to help teachers understand and effectively teach geography and spatial thinking skills
- Supports geography education standards in every state
- Developed for pre-service teacher programs and in-service teacher workshops
- Partnership with GENIP (AGS, NCGE, NGS), Geographic Alliances, several geography departments
- Outreach to education majors and methods faculty in teacher colleges and education departments

THINKING SPATIALLY ABOUT LOCAL ISSUES . . .



Students mapping TRANSITIONS in their neighborhood

Geographic AURA of a new missile based in North Korea

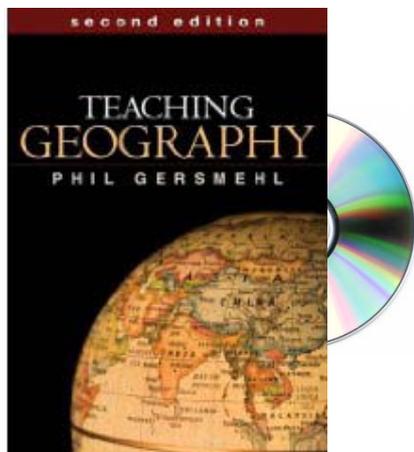


. . . AND GLOBAL ISSUES

Teaching Geography CD: A Comprehensive Guide

Teaching Geography is a book enhanced by a variety of print, multimedia, and online materials providing a “one-stop” professional resource for teacher training programs and educational methods courses. Teachers seeking to give their skills a boost will also benefit from using *Teaching Geography*, whether they are just getting started with a teaching career or are experienced classroom veterans.

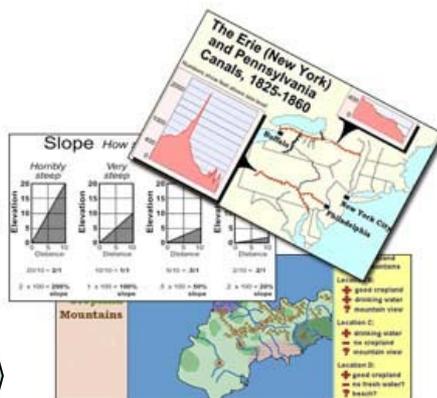
Here’s what the second edition of *Teaching Geography* has to offer:



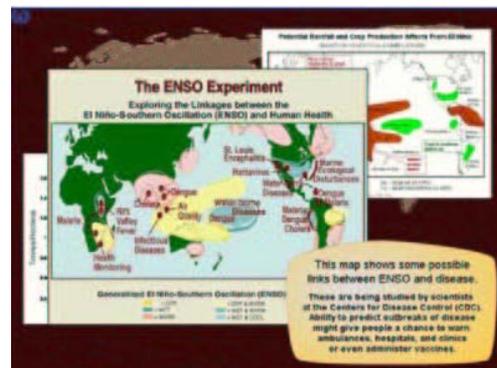
A **CD-ROM**, packaged with every book, is fully loaded with resources that teachers need to develop professional skills, meet state standards, and improve student achievement.

The book provides research-based advice for teaching geography content and spatial thinking skills -- in language that is accessible, motivational, and supported by compelling examples.

Teaching Geography by Phil Gersmehl is published by Guilford Press. Additional resources were developed by the Association of American Geographers with funding from the US Department of Education and the National Science Foundation.

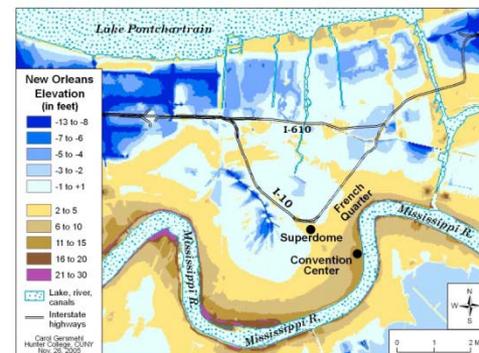


A set of **transparency masters**, available in color and b&w pdf documents, showing diagrams, maps, and illustrations linked to each book chapter-- handy for leading workshop discussions or explaining geographic concepts in class. Have a good idea? Share your classroom strategies with other teachers on *Teaching Geography's community-based website*.



Multimedia units vividly demonstrating the power of spatial thinking skills for understanding real-world issues and problems. Each unit features notes and model learning activities that take the guesswork out of crafting powerful geography lessons.

Ready to teach? You’ll be all set with a collection of **award-winning lessons** for U.S. and world geography. Choose from single topics to thematic clusters exploring geographic issues in major world regions. The CD also includes **curriculum planners** connecting the lessons to state standards in many subjects.



Discussion

1. Scientists in different fields perform research on spatial cognition. What is the value of this research for teaching, learning, and technology developments in geographic and spatial information science?
2. Is there a need for better communication internationally among (and between) spatial cognition researchers and geographic/spatial information scientists?

2011 AAG Annual Meeting

Seattle, Washington: April 10-16
USA

Invitation to Participate

