



# “Anchored” Multicultural Science Curriculum



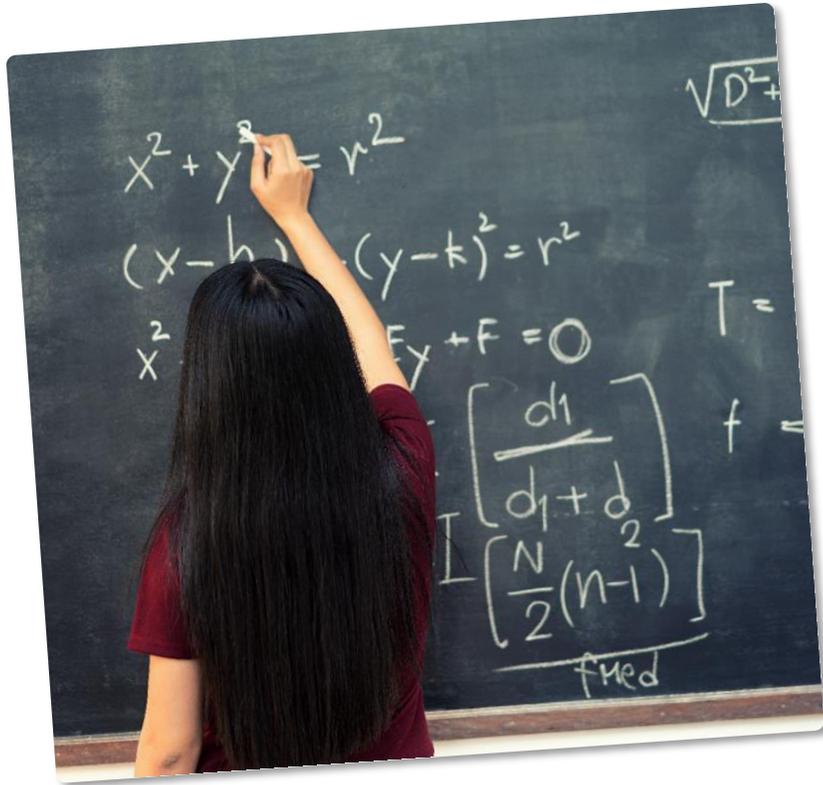
# Summary

## THE MILIEU OF SCIENCE TEACHING AND LEARNING

- Science is not free of cultural influence.
- Science textbooks are not free of racism.
- History and development of science should not be solely attributed to European cultures.



# Phenomena Rooted in Students Life Experiences



...How do we facilitate different ways of thinking about science and the examination of science knowledge in historical, social and multicultural contexts?

How do you develop a science curriculum associated with non-Western scientific advances?

How can Banks' typology of multicultural curriculum reform challenge our ideas about science teaching in an urban context?

# Stance of a Multicultural Science Curriculum

## Element A

Attention to and use of culture towards understanding the cultural contexts that shape science



## Element B

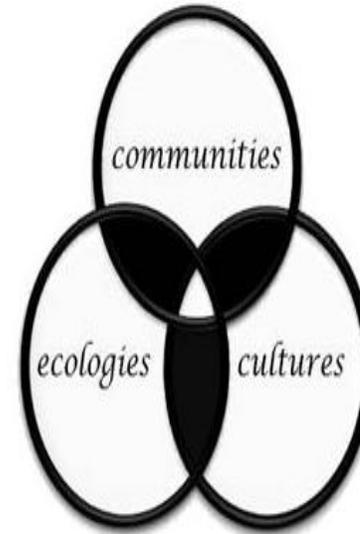
An equity-orientation that facilitates access to science for all student

## Element C

Efforts to leverage the skills and content of science to advance justice in schools and communities.

Use the articles to identify and discuss specific strategies for each stance

# The Environmental Justice Movement



## *Three Circles*

an international network for multicultural environmental education, providing consulting and resources for change

# Place-based mapping and curriculum development project

## Project overview:

Project understanding goals:

- Understand that the ecological, geological, cultural, historical, social and economic context of your school and community provides a rich foundation for your classroom curriculum.
  - Interns will understand that a curriculum that is directly tied to or evolved from the physical and cultural context of the students will enhance student learning and achievement in any subject area.
1. Targeted elementary competencies:
  2. Format and deadlines
  3. Map components and curriculum prompts: