


Advancing Discovery of DEIJ–Related Resources

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Broaden Participation in the Geosciences


The perspectives of groups traditionally underrepresented in the geosciences are valuable in broadening the conversation and approaches to solve problems. In addition, many employers that need geoscience expertise are expecting large shortfalls in qualified employees in the near future. A strong strategy for developing a robust workforce is to increase the participation of underrepresented minority students, first generation college students, and students from low socioeconomic backgrounds in courses and programs where they can learn the necessary skills and knowledge.

The suite of resources and exemplars showcased here demonstrate successful models in a variety of contexts drawn from programs sponsored by NAGT as well as partners in the discipline. There are many components that can be involved (such as demonstrating the relevance to students' lives, using active pedagogies, or developing a sense of community among students in a program). The examples of how other educators and institutions have achieved success with some key practices are particularly valuable for those engaged in broadening participation in the geosciences.




Attract Students to Courses and Programs

There are many ways to increase the number and diversity of students interested in taking geoscience courses and becoming majors.



Support Students through to Graduation

Once students are part of a program, careful attention should be given to providing them with the kinds of support that will enable them to be successful.



Prepare Students for Career Success

Ultimately, degree attainment is only a success if students are able to fulfill the career goals they have set for themselves.

Browse DEIJ Resources »

Diversity, Equity, Inclusion and Justice Resources for Earth Educators

These resources have been developed by many different projects and address various aspects of diversity, equity, inclusion, and justice in the geosciences.

search

Results 1 - 10 of 513 matches

Refine the Results ↓

Diversity, Equity, Inclusion, and Justice

Focus on Diverse Students 180 matches

Build Just and Equitable Curricula 355 matches

Information Type

Activity 346 matches

Course Description 45 matches

Course Module 60 matches

Event 5 matches

Essays and Blog Posts 9 matches

Program Description 40 matches

Project Site 6 matches

Teaching Method 1 match

Location

A Civil Action - The Woburn Toxic Trial 1 match

ACM Pedagogic Resources 4 matches

ADVANCEGeo 9 matches

BASICS 4 matches

CLEAN 2 matches

Coalition for Climate Literacy 1 match

Curriculum for the Bioregion 88 matches

Cutting Edge 80 matches

EarthLabs for Educators 3 matches

Geo-Needs 2 matches

GeoEthics 45 matches

Geoscience in Two-year Colleges 1 match

GET Spatial Learning 1 match

GETSI 7 matches

Humanities Education for Anti-Racism Literacy 1 match

IGUANA 17 matches

Integrate 184 matches

Integrating Research and Education 1 match

Keyah Math 1 match

NAGT 7 matches

Pedagogy in Action 2 matches

PENGUIN 2 matches

Quantitative Skills 3 matches

QuRIK 1 match

Unit 1: Climate Change and Sea Level: Who Are the Stakeholders?

Bruce Douglas, Indiana University-Bloomington; Susan Kaspari, Central Washington University

How are rising sea levels already influencing different regions? This unit offers case study examples for a coastal developing country (Bangladesh), a major coastal urban area (southern California), and an island ...

Diversity, Equity, Inclusion, and Justice: Build Just and Equitable Curricula Environmental Justice: Ethics

Information Type: Activity, Course Module

Module 3: Diet and Nutrition

Steven Varek, Pennsylvania State Univ-Penn St; Eric Behrend Coll

Module 3 covers the nutritional needs to which human consumption patterns ideally respond within food systems, and some of the nutritional challenges (related to both deficit and excess of diet components) that are ...

Diversity, Equity, Inclusion, and Justice: Build Just and Equitable

Curricula Environmental Justice: Ethics

Information Type: Activity, Course Module


Module 4: Food and Water

Gigi Richard, Fort Lewis College

In this module, students will be introduced to the connections between water and agriculture. The first part of the module (4.1) explores how water is essential for growing food and how

SERC has developed a way for materials authors and projects to indicate pedagogic materials that address issues related to Diversity, Equity, Inclusion, and Justice. This new vocabulary (see the full list of terms at the right) aims to provide a way to showcase resources that help geoscience faculty focus on diverse students in their programs and also to build just and equitable curricula for all their students. The vocabulary has been implemented for materials currently in the public collection and the results can be accessed in the Broadening Participation section of Teach the Earth.

Browse DEIJ Resources »



Now we need your help!
Use the half-sheets below to complete one or both of these tasks:

Task #1


- What is a DEIJ-related resource that you would like to find for your work?
- What are the words you would put into a search engine in an attempt to find that thing?

Task #2

- How are you currently looking for DEIJ materials?
- What criteria do you use to decide which materials you find are worth digging into (e.g. language, age, pictures, etc.)?

Diversity, Equity, Inclusion, and Justice

- **Focus on Diverse Students**
 - Attract Diverse Students
 - Career Opportunities
 - Demonstrate Relevance
 - K12 Outreach
 - Introductory Courses
 - Place-Based Learning
 - Engagement Experiences
 - Support Diverse Students
 - Funding Support
 - Sense of Belonging
 - 2YC-4YCU Partnerships
 - Advising and Mentoring
 - Academic Supports
 - Metacognitive Skills
 - Interdisciplinary Learning
 - Supportive Department Culture
 - Universal Design for Learning
 - Science Identity
 - Integrative Experiences
 - Inclusive and Culturally Relevant Pedagogies
- Prepare Diverse Students for Careers
 - Local Issues
 - Workforce Skills
 - Networking Opportunities
 - Career Readiness Experiences
- **Build Just and Equitable Curricula**
 - Environmental Justice
 - Colonialism and STEM
 - Indigenous Ways of Knowing
 - Ethics
 - Social Justice and STEM
 - Inclusive Field Experiences
 - Public Policy and STEM
 - Access to Research Experiences

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