A Blueprint for JEDI in STEM

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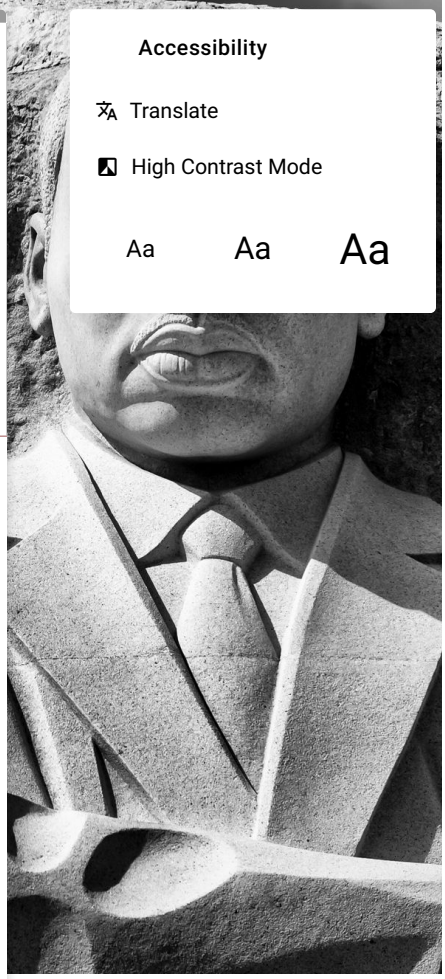

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Our Mission

Equity, inclusion, diversity, and justice are foundational for effective higher education, an informed, engaged citizenry. This working group brings together communities whose work focuses on equity, inclusion, diversity, and justice in STEM higher education. This working group will explore the intersection of equity, inclusion, diversity, and justice with systemic change in higher education. We identify common ground, promote opportunities for collaboration, informed by lived perspectives from diverse stakeholders. We seek to be a catalyst for justice, diversity, equity and inclusion in STEM fields.

We support this mission by focusing our work with administrators, educators, students, and communities in these areas:
1. Culture and Climate
2. Recruiting and Retaining Diverse Faculty
3. Policy
4. Curriculum change
5. Student Success
6. Leadership

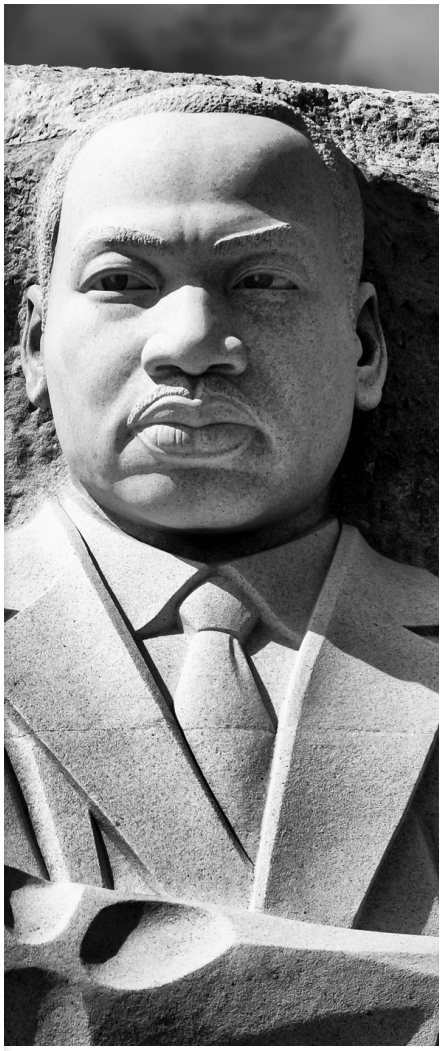
Projects Presented

- Book: Blueprint for Accelerating Change in Social Justice, Equity, Diversity, and Inclusion in STEM Curricula (see link to submit proposal below)
- Existing Collection of Resources (see links below)
- Grant for further development of new resources

Book Landing Page on QUBES

Blueprint for Acceleratin... qubeshub.org

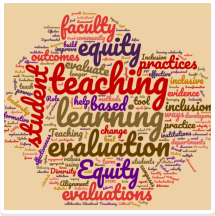
This is the home of a collaborative community working on projects associated with social justice, equity, diversity and inclusion in STEM undergraduate programs. This site will have forums for discussion, a set of collections including resources associated with Social Justice in STEM undergraduate curricula, publications, curriculum descriptions, and chapters for the proposed book.



Join ASCN Working Group 5: Equity and Justice

Working Group 5: Equit... ascnhighered.org

Private Workspace Equity, inclusion, diversity, and justice are foundational in effective higher education settings, including STEM disciplines. Within ASCN and the working groups, we adhere to this premise. We will engage those that work on other aspects of systemic change in higher education (including teaching; learning; community engagement; and employment, evaluation, and advancement opportunities) for focused knowledge synthesis.



DEI in STEMM Blog ascnhighered.org

ASCN Working Group 5 is calling for blog posts around diversity, equity, inclusion (DEI), and social justice in science, technology, engineering, mathematics, and medicine (STEMM) programs, classrooms and departments.

Module Examples

Click on this button for Social Justice Resources

STEM resources found on QUBES

Exploring Health Inequit... qubeshub.org

Description For this activity, students will investigate patterns of and relationships between historic redlining data and modern statistics of human health. Students will work in small groups to research a city of their choice using maps found University of Richmond's site "Not Even Past: Social Vulnerability and the Legacy of Redlining" .

Assessing Socioeconomic Trends in Tree Cover and Human Health in Urban Environments

Assessing Socioeconom... qubeshub.org

Author(s): Tamara Basham Collin County Commuity College District 932 total view(s), 1252 download(s) Summary: In this exercise, students use a combination of publicly available data and tree cover data that they generate using iTree Canopy to test whether tree cover is equitably distributed within the city of Dallas.

QUBES - QUBES

QUBES - QUBES qubeshub.org

Collections Basic data handling and data analysis skills are introduced to visualize and analyze 'big data.' Environmental justice is introduced to give students an understanding of tools and strategies to explore while developing advocacy and communication skills. Also found in these collections:

Examining Medical and Scientific Racism Using the Story of Henrietta Lacks

Examining Medical and... qubeshub.org

Author(s): Melissa Haswell Davenport University 759 total view(s), 932 download(s) Summary: This is a semester-long project in which students read and discuss the story of Henrietta Lacks from multiple ethical perspectives. This project was developed for an undergraduate science ethics course but could be adapted to other biology courses.

Chemistry Examples

Beyond Green Chemistry: Teaching Social Justice in Organic Chemistry
· https://pubs.acs.org/doi/pdf/10.1021/acs.jchemed.9b00715
Other chem examples
· https://pubs.acs.org/doi/10.1021/acs.jchemed.6b00968
· https://pubs.acs.org/doi/10.1021/acs.jchemed.0c01043
· https://whyevolutionistrue.com/2021/03/28/now-social-justice-in-organic-chemistry-class/

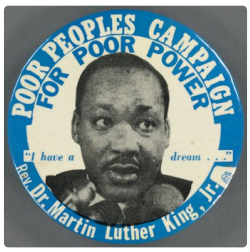
A Blueprint to Attend to Justice, Equity, Diversity, and Inclusion (J.E.D.I) in STEM Curriculum

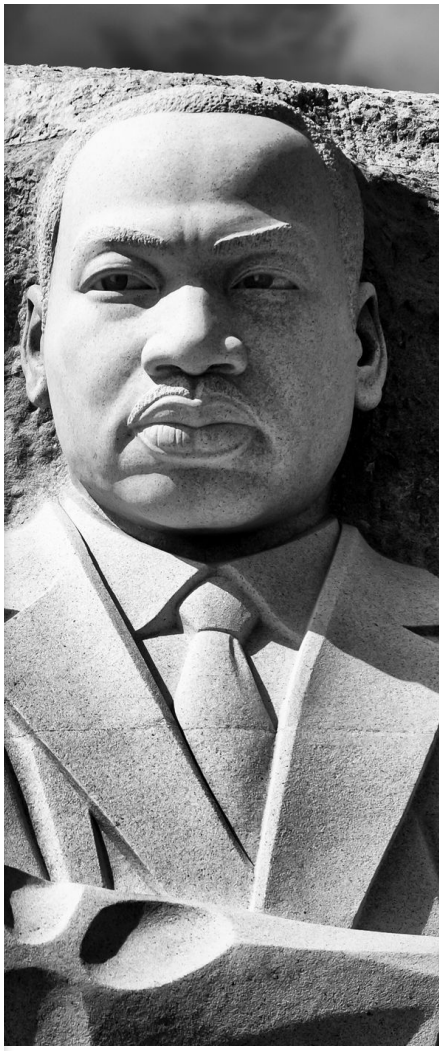
A Blueprint to Attend to ... padlet.com

Transforming Institutions 2023

Workshop Slidedeck Dr... docs.google.com

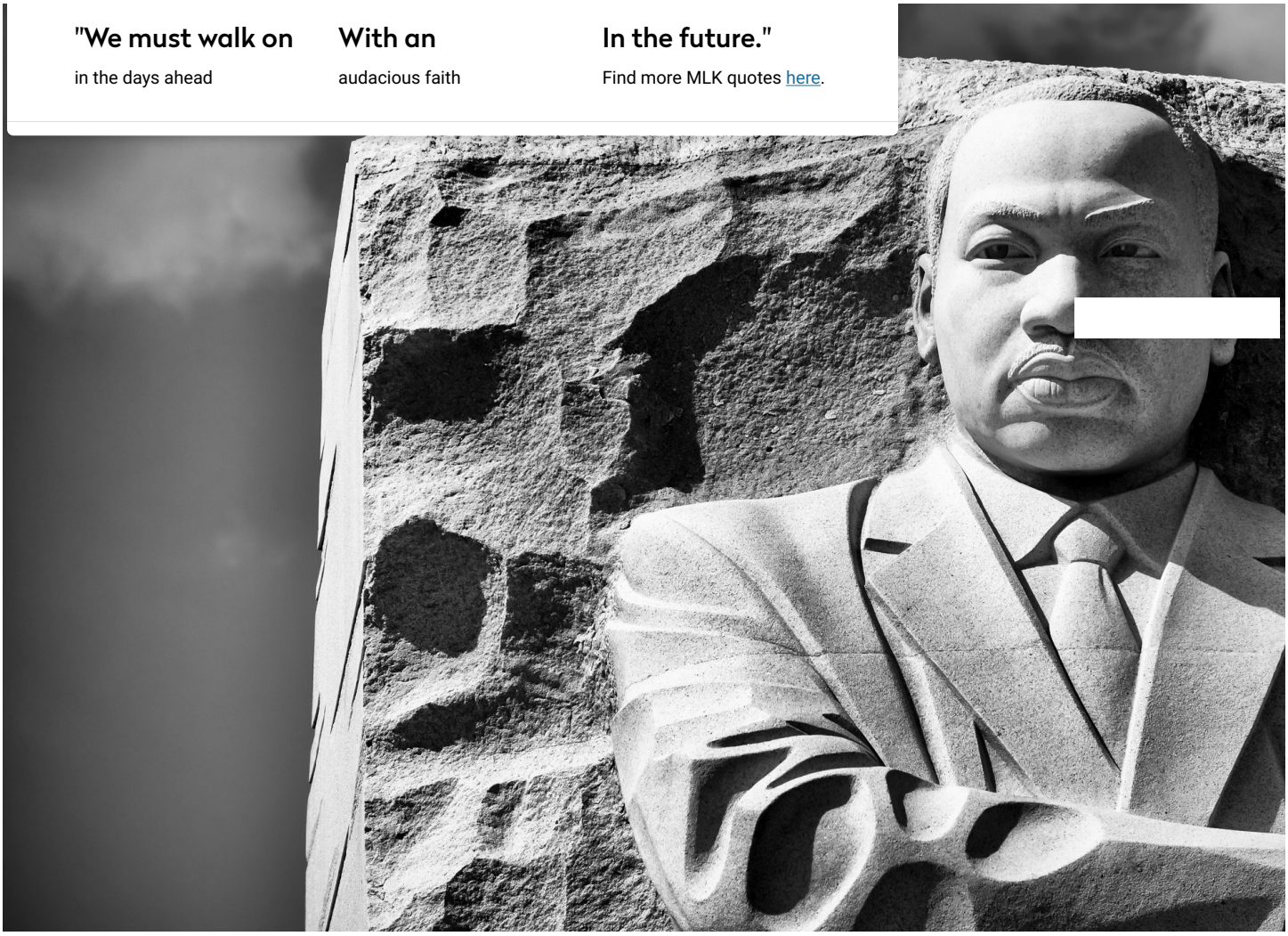
The BioGraphI Curriculum: Valuing diverse identities and fostering data literacy in biology Presenter Name(s) Presenter Institution(s) Award #2120679





"We must walk on
in the days ahead

With an
audacious faith

In the future."

Find more MLK quotes here.