

Redefining STEM as a Tool for Social Justice

The Four Agreements

1. Stay engaged.
2. Speak your truth.
3. Experience discomfort.
4. Expect and accept non-closure.

Goals

1. Recognize the culture of STEM and that it was embedded in perspectives of white supremacy, patriarchy, imperialism, and all other oppressive systems.
2. Recognize that everyone has bias and be transparent about it.
3. Recognize indigenous and non-western ways of doing STEM.
4. Have tangible ideas on how to integrate STEM Justice into your work or life.

Agenda

- Introductions 10 mins
- 4 Agreements and Goals + Agenda of Workshop, 5 min
- Intro to KAYSC, 5 min
- Kahoot Quiz Game, 20 min.
- Scientific Observation: Bias and Storytelling Activity, 30 min
- Defining STEM Justice and Practices of Redefined STEM, 20 min

Other resources for STEM Justice

- Science for the People - scienceforthepeople.org
 - Online magazine - magazine.scienceforthepeople.org/
 - Facebook page - facebook.com/SftPTC/
- Abolition Science Podcast - abolitionscience.org
- Center for Advancement of Informal Science Education
<http://informalscience.org/sites/default/files/BP-4-Cultural-Norms.pdf>

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Resources

1. *Courageous Conversation* - book by Glenn E. Singleton
<https://courageousconversation.com>
2. Kahoot - online quiz software <https://kahoot.com/>
3. Newitz, Annalee. "The 9 Most Influential Works of Scientific Racism, Ranked." *io9*, 16 Dec. 2015,
<https://io9.gizmodo.com/the-9-most-influential-works-of-scientific-racism-rank-1575543279>.
4. "Revealing Histories: Remembering Slavery." *The Development of Racist Theories and Ideas | Revealing Histories*,
<https://revealinghistories.org.uk/legacies-stereotypes-racism-and-the-civil-rights-movement/articles/the-development-of-racist-theories-and-ideas.html>.
5. Goldstein, Michael. "Biggest Travel Story Of 2017: The Bumping And Beating Of Dr. David Dao." *Forbes*, *Forbes Magazine*, 21 Dec. 2017,
<https://www.forbes.com/sites/michaelgoldstein/2017/12/20/biggest-travel-story-of-2017-the-bumping-and-beating-of-doctor-david-dao/#6feb4cf3f61f>.
6. Gallucci, Nicole. "Little Miss Flint's 5 Awesome Tips for Becoming a Young Activist." *Mashable*, 22 Sept. 2018,
<http://mashable.com/article/little-miss-flint-mari-copeny-how-to-be-a-young-activist/>.
7. Hatton, Celia. "Nobel Prize Winner Tu Youyou Helped by Ancient Chinese Remedy." *BBC News*, *BBC*, 6 Oct. 2015,
<https://www.bbc.com/news/blogs-china-blog-34451386>.



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On your own, think about and answer the following question: What are three things you're taking away from this workshop?

1.

2.

3.

In pairs, think about and answer the following question: What are two ways you can apply what you learned in your own work?

1.

2.