Human Rights in STEM Education

At a time when many educators say their students crave new ways to apply what they learn in class to global challenges, a growing number of STEM educators are finding that integrating human rights into their teaching sparks their students’ interest in applying research theories and methods, engages them in research on issues of relevance to their community or society more broadly, and gives practical context to scholarly debates around ethical responsibilities, and the roles of stakeholders. Can a broader adoption of these experimental approaches improve STEM education, including learning outcomes, retention, and diversity? What resources can be drawn from the human rights education movement’s practices and pedagogies? What are the opportunities for collaboration across disciplines to strengthen these efforts? Meeting participants will learn from case examples and contribute to discussions aimed at identifying key challenges, considering potential models for integrating human rights into STEM education, and articulating needs and opportunities for mentoring and other types of support.

Coalition meetings convene scientists, engineers, and health professionals with human rights leaders and policy makers to discuss emerging issues at the nexus of science and human rights. The Coalition serves as a catalyst for the increased involvement of scientific, engineering, and health associations and their members in human rights-related activities.
Thursday, January 25

8:30 a.m.    Registration and Breakfast

9:00 a.m.    Welcoming Remarks (Auditorium)
     Introduction: Jessica Wyndham, AAAS

9:15 a.m.    Keynote Address: (Auditorium)

10:00 a.m.   Break

10:30 a.m.   Plenary Session I: Encouraging Evidence-Based Policies and Practices to Support Human Rights in STEM Education (Auditorium)

What are key challenges in STEM education, including learning outcomes, retention and diversity? How are these same challenges being addressed in human rights educators? What current approaches are being developed and tested in both fields to address these challenges? What has been learned from the evaluation of these approaches?

12:00 p.m.   Lunch

12:30 p.m.   Concurrent Workshops (please bring your lunch!)
     SENCERising Your Curriculum (Abelson-Haskins)
     Using the Coalition’s Resources to Bring Science and Human Rights to Your Campus (Revelle)

1:45 p.m.    Break

2:00 p.m.    Plenary Session II: Case Studies (Auditorium)

How are STEM educators integrating human rights, social justice, and civic engagement into their curricula? What are the goals in adopting this approach, considering both learning outcomes and substantive understanding of human rights? What have been the outcomes of these approaches? What are the existing tools for measuring impact?

3:15 p.m.    Break

3:30 p.m.    Small Group Discussions

Building on the plenary discussions, each group will identify strategic actions Coalition members and their partners can take to help inform their networks and advance human rights in STEM education.

Choose one of the following discussion groups:

- **Key challenges in STEM education** (Haskins)
  This group’s task is to come up with an itemized, prioritized list of challenges in STEM education that could be addressed through the integration of human rights in STEM curricula.

- **Models for integrating human rights into STEM education** (Revelle)
  This group’s task is to articulate creative options for how human rights could be integrated into STEM curricula.

- **Mentoring junior faculty – opportunities and best practices** (Abelson)
This group’s task is to articulate best practices in mentoring junior faculty with regard to teaching practices, and to identify opportunities created by the Coalition to provide mentoring support.

4:30 p.m.  Break
4:45 p.m.  Report Back from Small Group Discussions  *(Auditorium)*
5:15 p.m.  Closing Remarks  *(Auditorium)*
5:30 p.m.  Reception  *(2nd Floor)*
7:00 p.m.  Meeting Adjourns for the Day
Friday, January 26

In keeping with the Coalition's commitment to action and measurable outcomes, Coalition members and affiliates contribute to projects that connect networks, build capacity, engage individuals, and promote awareness. The working meetings provide an opportunity for members to define new projects and move forward with existing initiatives. Unless otherwise noted, all are welcome to attend these working meetings, which will be conducted according to the Chatham House Rule regarding attribution.

If you are a member of the Executive Directors’ Circle, please see the security desk upon your arrival to pick up a security badge. A badge is necessary to access the 12th floor.

8:30 a.m. Breakfast

8:30 a.m. Executive Directors’ Circle (invitation only) (12th Floor Boardroom)

Chair: Rush Holt, AAAS

9:00 a.m. Student Meeting (Revelle)

Facilitator:

10:00 a.m. Break

10:15 a.m. Project Team Meetings (concurrent)

During this session, Coalition project teams will work towards their project objectives, identify responsibilities for key activities, and develop a timeline for work to be completed before the July 2018 Coalition meeting. A list of current projects, along with the project leader’s name, is provided in the meeting folder. If you would like to suggest a new project, please speak with the Secretariat staff before this session so we can announce the topic to participants and arrange a meeting location.

11:45 a.m. Plenary Discussion: Project Team Reports (Abelson-Haskins)

During this session, project team leaders will share progress they have made, identify opportunities for collaborations between the teams, and invite Coalition members to contribute to the projects.

12:30 p.m. Council Lunch (Council Members and Student Delegates only) (Abelson-Haskins)

1:00 p.m. Council Meeting (Council Members only) (Revelle)

5:00 p.m. Meeting Adjourns