



Facilitator Guide: Telling your HSTEM Story

Note: Part I of this exercise can be implemented as a stand-alone module. Part II is specifically designed to follow engagement with the academic literature around inclusion and equity, and Part III is designed to follow student project work on action projects in partnership with campus partners.

General Guidelines to emphasize to students:

- Have fun! Feel free to get creative. You can write something, draw something, use graphics, images, magazines, newspapers, or whatever other media helps you capture your story.
- Your representation does not need to be fully self-explanatory, as long as you would be able to walk someone through your story in a way that makes sense to you.
- Please spend no more than one hour on this assignment. We want you to capture how you conceptualize your journey in STEM to this point but recognize that it will not be a perfect or complete picture of who you are.

Part I: Your HSTEM Story (Past) Prompts:

- What role has STEM played in your life so far? What experiences, both positive and negative, stick out in your memory? All of you, whether currently engaged in STEM or not, have engaged with STEM through your education, and have been touched by STEM methods, knowledge, technologies, and culture. How has that impacted who you are now?
- What about STEM do you find most engaging or enjoyable? What aspects of STEM do you think are most important or relevant to your future?
- What STEM topics do you hope to learn during your undergraduate studies?
- Looking ahead, what is your sense of how you will intersect with STEM in the future (e.g., what is your envisioned career trajectory and/or life)?

Part II: Your HSTEM Story (Present) Prompts:

- Please revise and expand on your HSTEM Story (Past). What new understanding do you have about your journey and role in STEM, based on our work together so far?
- Please identify at least three sources from the course that have influenced how you are currently thinking about your HSTEM story. Explain the connections that you see between these sources and how you are currently thinking about your journey in STEM. You do not need to agree with the sources. Instead, be sure to discuss how they made you think differently about your story, perhaps by revealing gaps in your experiences, by introducing new concepts or frameworks through which you have reconsidered aspects of your experience, or by challenging your ideas.
- You can either revise your HSTEM Story (Past) or construct a new HSTEM Story (Present).
- Again, please spend no more than one hour on this activity.

Part III: Your HSTEM Story (Future) Prompts:

- Now we are asking you to envision your future self in STEM. In this iteration of the assignment, we ask you to consider what you want to be doing in 5 years and how you want to be connected to STEM at that point in your life. Further, we want you to consider who you want to be as a human in STEM. How will you stay connected to our HSTEM community and to what we have learned together in order to develop into that aspirational future human in STEM?
- Spending no more than an hour on this activity, you can either revise a previous version of your HSTEM story or construct a new representation of your HSTEM Story (future).
- Please be sure to address the following questions in the construction of your story:
 - Who would you like to be as a human in STEM in 5 years?
 - What HSTEM practices and principles will you incorporate to help you achieve your future HSTEM self?
 - How can the HSTEM community support you as you move toward that aspirational self?