Domain	Reflective questions for science educators	General actions to support the domain
Identity	 How does your identity affect your view of a scientific issue? How can I design a lesson to assist students to see an identity group outside their own? How can I portray scientists as multidimensional? 	 Create a personal identity map. Reflect on the identities you feel most connected to or judged by. Examine the identities of professional scientists.
Diversity	 How can I use student identity maps to develop recognition of the diversity within the classroom? How can I present a range of perspectives on a particular scientific issue? How can I encourage students to consider perspectives other than their own? 	 Venn diagram for comparing and contrasting various perspectives/cultural beliefs about problem/issue. The exemplar focused on disease transmission via social interaction. Role-play various perspectives within a real-world scientific debate. Invite guest speakers into the classroom who represent a diverse group of STEM professionals.
Justice	 How can scientific discourse be more inclusive? How can I encourage students to ask questions about how people of different backgrounds are influenced by socioscientific issues? What are the implications of portraying science as objective? 	 Use the See, Think, Wonder thinking routine in the analysis of graphics that reveal inequities to fuel classroom conversations. (The exemplar focused on COVID cases in areas with varying socioeconomic and racial profiles.) Examine current/historical events where science has put an identity group at risk.
Action	 How can students be placed in the role of agents of change? What actions can be taken to help students identify issues in the community to be addressed? What networks are available in assisting my students in collective action? 	 Engage youth in identifying both problems and solutions within the community. Identify issues within the curriculum that may allow students to take action. Assist students in finding stakeholders within the community to help them enact change.

 TABLE 1: Thinking through a sociotransformative lens.

Note. The reflective questions and actions shown here were the result of collegial conversations to consider what a sociotransformative approach to science teaching and learning looks like. Learning for Justice anchor standards and *NGSS* domains were used as conversation starters.