To improve equity, STEM teachers need to be:

— Developing and/or improving knowledge of language acquisition
— Knowing and applying Sheltered Instruction strategies
— Broadening understandings of family engagement
— Drawing upon students’ funds of knowledge
— Broadening forms of assessment
— Counseling underrepresented groups into rather than away from STEM fields
— Offering remedial help as needed, to strengthen students’ foundational skills
— Building a network of community role models doing STEM work
— Open to cultural exchange opportunities for teachers that can increase empathy, understanding, and appreciation
— Critically examining their own teaching materials and paradigms for cultural bias
— Developing and facilitating problem-based learning activities around issues relevant to the community