



BLACK MALES in ENGINEERING

"No one says it'll be easy, but it's worth it!" -Brian A. Burt, Ph.D.

K-12 Teachers

Strategies For STEM Learning, Possibilities, And Futures.

Black boys need to be seen as capable, brilliant learners. To further nurture their brilliance, incorporate these strategies:

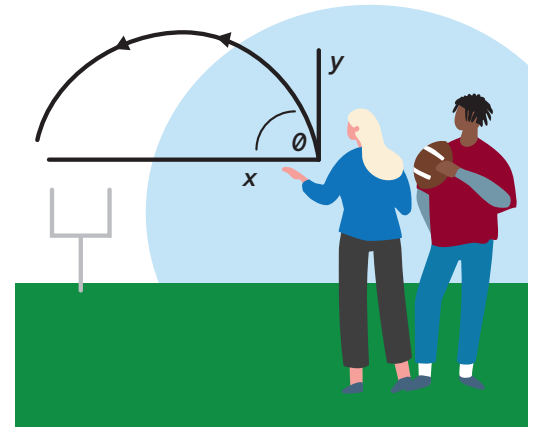
- Adopt an asset-based mindset where all students are viewed as capable learners of science, technology, engineering, and mathematics (STEM)
- Acknowledge and celebrate students' unique identities and backgrounds
- Teach using culturally relevant pedagogies (real-world connections to a student's unique identities, backgrounds, and communities)
- Provide examples of everyday STEM innovations and their innovators of color
- Build relationships and rapport with students, families, and their local communities
- Incorporate play-based learning and engagement in technology in your teaching lessons
- Partnership with parents, family, and community members to learn more about your student and identify relevant issues within their local communities

"Having educators who affirmed their early STEM identities and made connections to their Black identity appeared to influence their early and sustained interest in STEM."

(Burt & Johnson, 2018, p. 8)

Reflection Questions For Teachers

- How do my identities and background inform my assumptions about my Black male student and my approaches to teaching?
- How might my education in STEM be similar and/or different from that of my Black male student?
- How might my education in STEM be similar and/or different from how I teach my Black male student?
- How might my Black male student's differences be assets to his learning of STEM?
- What are my current gaps in knowledge as it relates to teaching Black male students? And how (and where) might I go to seek additional knowledge and help to improve my instructional practice?
- What practical, everyday occurrences might more strongly connect class lessons to my Black male student's learning?
- What are my Black male student's strengths and curiosities? How can I link his strengths and curiosities to my lessons?
- How can I make minor adaptations to lesson planning to further connect to my Black male student?



For more information visit
blackmalesinengineering.org

