SciGirls Strategies: How to Engage Girls in STEM

The *SciGirls* approach is rooted in research about how to engage girls in STEM. A quarter of a century of studies have converged on a set of strategies that work, and they have become the framework for *SciGirls*.

1. Connect STEM experiences to girls’ lives.
2. Support girls using STEM practices.
3. Empower girls to embrace struggles.
4. Encourage girls to challenge STEM stereotypes.
5. Emphasize that STEM is collaborative and community-oriented.
6. Interact with diverse STEM role models & mentors.

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In order to be effective at implementing the SciGirls Strategies, educators need to:

Provide an inclusive learning environment.

**TIPS:**
- Create a warm and welcoming space that is accessible to all.
- Create an atmosphere of mutual respect.
- Use icebreakers so youth can introduce themselves in a non-threatening manner.
- Provide opportunities for youth to voice their opinions.

Use culturally responsive teaching practices.

**TIPS:**
- Understand your culture and how it affects others.
- Get to know your youth and build on their life experiences.
- Communicate high expectations for behavior and performance.
- Validate youth’s bilingual abilities to leverage learning.

www.scigirlsconnect.org