

GENDER INCLUSIVE PEDAGOGICAL STRATEGIES



For this project, we have drawn from many sources specific strategies that are congruent with the inquiry-based, multicultural, and social constructivist orientations (STC) driving the proposed study. Among some of the principal strategies we have identified so far, and that are modeled during the summer institutes for teachers, and during the methods classes for preservice teachers are:

- Using a variety of student-centered , hands-on and minds-on pedagogical strategies (see below)
- Monitor groups for equity (who's is doing the talking, using equipment)
- Assign tasks equally
- Tap students' learning styles
- Provide opportunities for problem solving
- Encourage discussion on career options
- Monitor praise and acknowledge accomplishments
- Accept more than one right answer
- Implement wait time and equitable turn taking
- Encourage peer tutoring
- Display images of men and women in career roles from various ethnic backgrounds.
- Praise and encourage collaborative learning and avoid competitive environment
- Link careers in science with mathematics, engineering, and

technology

- Invite successful female members of the community in SMET related careers to the classroom.

Hands-On & Minds-On Student-Centered Pedagogical Strategies Informed by Sociotransformative Constructivism (STC):

<ol style="list-style-type: none">1. Look for a pattern2. Construct a table3. Make an organized list4. Act it out5. Draw a picture6. Use objects7. Guess and check8. Work backward9. Write an equation10. Solve a simpler (or similar) problem11. Make a model12. K (what you know), W (what you want to know), L (what you learned)13. Concept Map14. Brainstorm15. P (predict), O (observe), and E (explain)	<ol style="list-style-type: none">16. Create a need to know17. Entrance/Exit Slip18. Collaborative groups19. Problem-solving scenarios20. Tying content to socially relevant issues and everyday life21. Venn diagrams22. Mini-Lecture (lecture for not more than 10 minutes)23. Skits24. Translational activities25. Using students as resources to gather information, make charts, posters, etc. <p>And many more. . .</p>
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