Who gets to be a Smart Science Student in your Classroom?

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SUGGESTED RESOURCES

- Who Gets to be a Smart Science Student? VideoScribe: bit.ly/SmartScienceStudents
- American Association of University Women (AAUW, 2010) & National Science Foundation (NSF, 2019):
    https://www.aauw.org/research/why-so-few/
- Books on Student Identity:
- Resources from NSTA press: https://www.nsta.org/publications/press/
- Carbon TIME MS/HS units and teacher resources: http://carbontime.bscs.org
### Creating a “We” Culture: A Self-Assessment Checklist

Using the features below, mark the box that most closely represents your current teaching practices:

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1. Make criteria for “good scientific work” explicit.
2. Make criteria for “good scientific work” accessible (achievable) for all learners.
3. Co-develop the criteria for “good scientific work” with students.
4. Hold all learners accountable for expressing scientific thinking.
5. Hold all learners accountable for asking scientific questions.
6. Hold all learners accountable for listening and responding to classmates’ scientific thinking and ideas.
7. Hold all learners accountable for responding to classmates’ ideas in friendly, respectful ways.
8. Use generative questioning strategies (vs. questioning strategies that promote one right answer).
9. Recognize and celebrate students’ scientific thinking beyond only the right answer (e.g., thinking divergently, solving problems, making unique observations)
10. Provide large chunks of time for students to discuss their ideas, findings, and identify questions that could lead to future investigation.