**A 30 Minute Think-Pair-Share Exercise on Diversity in Science**

*Developed by Stanford Science Penpals: stanfordsciencepenpals.com*

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**1) 4 minutes:** On a blank piece of sketch paper, ask students to draw a picture of a scientist. Try to avoid giving any extra instructions so that their drawings are organic.

**2) 2 minutes:** Ask students to write down some words describing the scientist they drew. Examples could include gender, ethnicity, hairstyle, clothes, environment, etc.

**3) 9 minutes:** Hand out the “Who are the Stanford Science Penpals?” handout. Count off students by 3. 1’s should read the red boxes, 2’s read the blue boxes, and 3’s read the green boxes. Give them ~7 minutes to read the boxes quietly to themselves. Students who finish early can make a list of things that surprised them.

**4) 9 minutes:** Have the students get into groups with nearby students. Each group should have at least 1 student from each color group. Ask them to bring their scientist drawings and the handout to their group. Students should work together to answer the following questions:

* What surprised you as you were reading?
  + Each student should share at least one thing, and the group should come up with a list of the 3 most surprising facts.
* How do the Stanford scientist penpals compare to the drawings of scientists you drew in the beginning? What is the same and what is different?
* How would you revise your drawing after reading the handout?

**5) 6 minutes:** Come together as a class. Ask students what surprised them as they were reading, and get 2-3 answers. Then, on a whiteboard or overhead, have students guide you in drawing a new scientist or group of scientists (stick figures will suffice). Ask students what gender the scientists should be, what ethnicity they are, and what they should be wearing.