Goal	In Class Activities	How does this work?	Based on the research of
		Showing these pictures of accomplished ethnic	Dasgupta &
	Discuss research by a woman or ethnic minority. Show a picture	minorities changes reduces individuals' implicit	Greewald
	of this researcher	or unconscious bias against these groups.	(2001)
	Another possibility is to show a diverse lab group that worked on		
	a question.	see above	see above
	When having students work together in a group to solve a		
Decrease bias	problem, show a picture of a diverse group of scientist working		
against ethnic	together.	see above	see above
minorities and			Madera,
women in		Women are typically described as "nice" and	Hebl, &
interested in	When showing research by a female scientist, describe her as a	not "ambitious" which makes them appear	Martin
STEM	ambitious, competent, go-getter and not "nice"	less competent.	(2009)
		·	Aronson,
	When students do a better job on the clicker question the	This shows students that intelligence is	Fried, &
	second time, point out that learning and knowledge is malleable.	malleable and can improve, which reduces	Good
	Use their improvement as an example	stereotype threat in African Americans	(2002)
	At the beginning of a class, tell students you are interested in		Miyake,
	hearing about them. Then have the students write about		Kost-Smith,
	something that is important to them (e.g. sports, friends,	Having students write about values (unrelated	Finkelstein,
Reduce	knitting). Alternatively, when giving an example, have students	to the topic of the class) or "self-affirm"	Pollock,
Stereotype	write why this example may be important some aspect of their	reduces stereotype threat in women and	Cohen, &
Threat	life.	ethnic minorities	Ito (2010)
		When science is presented as	,
		collaborative/communal, women are more like	
		to be interested in science. Women see	
	When having students work in a group to solve a problem or	science as very individualistic, and there fore	
	answer a question, emphasize that science is collaborative. This	at odds with their goals of working well with,	Diekman et
Increase a	type of group work is typical for science.	and helping others.	al. (2011)
sense of		Women who see scientist has people (male or	, ,
belonging in		female) as someone they can identify with,	
science/ a	Share some fun facts about yourself, or alternatively some fun	and who do not fit the "scientist nerd	
more inclusive	facts/hobbies about a scientist who conducted the research you	stereotype" feel more encouraged to pursue	Cheryan et
environment	are discussing.	science majors.	al. (2011)

Article Key			
Citation	Description		
	Showing pictures of accomplished ethnic minorities changes reduces individuals' implicit or		
Dasgupta & Greewald (2001)	unconscious bias against these groups		
Stout, Dasgupta, Hunsinger, and McManus	When female students see female scientist, they have more positive attitudes and feelings		
(2011)	towards science. They also feel a sense of belonging in science.		
	When female students see a female scientist who they can identify with, or who does not fit		
	the stereotypical scientist "nerd" stereotype, they feel more of a sense of belonging in math		
Cheryan et al. (2011)	and sense		
	Women are discouraged to pursuing a career in science because they worry science is not		
	communal enough (Concerned with working well with and helping others). When science as		
Diekman et al. (2011)	presented as collaborative/more communal women are more interested in science.		
	Also, seeing even number of women and men makes women feel less threatened, and a		
Murphy, Steele, & Gross (2002)	stronger sense of belonging in a science environment (as oppose to majority males).		
Aronson, Fried, & Good (2002)	Believing that learning is malleable reduces stereotype threat in African Americans		
	Letter writers tend to describe women as "nice" and not "ambitious," which makes them		
Madera, Hebl, & Martin (2009)	appear less competent.		
	Self-affirming, or writing about one's important personal values (e.g. friendship or learning)		
Miyake, Kost-Smith, Finkelstein, Pollock, Cohen,	significantly reduces the gender gap on exam grades in an introductory physics class in		
& Ito (2010)	comparison to a control condition.		

Resource Article with Classroom Strategies:

Kimberly Tanner (2013) Structure Matters: Twenty-One Teaching Strategies to Promote Student Engagement and Cultivate Classroom Equity *CBE – LSE* 12:322–331

The link to AACU from Erin and Jess, might be useful for citations and activities to expand this table.

https://www.aacu.org/publications-research/periodicals/evaluating-intergroup-dialogue-engaging-diversity-personal-and