



## **Bitesize Careers - Empowering girls in STEM careers Actions for the science classroom**

This section starts by looking at the effect that stereotypes have on our brains and what unconscious bias is.

This video from the Royal Society could be useful additional viewing:

<https://www.youtube.com/watch?v=dVp9Z5k0dEE>

Relevant research for this section:

- <https://www.iop.org/sites/default/files/2019-04/girls-in-the-physics-classroom.pdf>
- [https://www.researchgate.net/publication/263608413\\_Still\\_failing\\_at\\_fairness\\_how\\_gender\\_bias\\_cheats\\_girls\\_and\\_boys\\_in\\_school\\_and\\_what\\_we\\_can\\_do\\_about\\_it\\_by\\_David\\_Sadker\\_Myra\\_Sadker\\_and\\_Karen\\_Zittleman](https://www.researchgate.net/publication/263608413_Still_failing_at_fairness_how_gender_bias_cheats_girls_and_boys_in_school_and_what_we_can_do_about_it_by_David_Sadker_Myra_Sadker_and_Karen_Zittleman)
- <https://journals.aps.org/prper/abstract/10.1103/PhysRevSTPER.9.020115>

Resources available from the IOP to support an inclusive science classroom:

Top Tips for Inclusive Science Teaching. <https://www.iop.org/education/dismantling-barriers-to-inclusion-physics/inclusive-resources>

Discussion support:

This is a quick activity which should take you no more than 10 minutes and could easily be carried out in a department meeting.

It uses the list of actions for an inclusive science classroom on slide 5 as a stimulus to help teachers discuss what they already do, what they could do more of and what they would like to start doing. It might be worth printing out this in advance so that people have it in front of them to refer to.