

Lesson	Format
<p>Lesson 1 – You're the Judges! Introduce I'm a Scientist. Choose and rank criteria by which to judge the scientists</p>	<p>Starter: 5 minutes Explain the I'm a Scientist event briefly (show the site on a projector or interactive whiteboard if possible). They have the power to decide who wins. What ideas do they have about science at the moment? Will they change?</p>
<p>Learning objective:</p> <ul style="list-style-type: none"> Consider a range of criteria and understand that different (important) values may need to be weighed against each other. 	<p>Activity: 30 minutes</p> <ol style="list-style-type: none"> 1) Display the criteria list or use the Drag & Drop list. 2) Get the class to whittle down the most important criteria. Write the five criteria on the board. 3) Get the class to rank the five most important criteria. <p>Plenary: 15 minutes</p> <ul style="list-style-type: none"> Brainstorm any other criteria that aren't on the list, that students might consider important when judging scientists Overall message: this will help you judge the scientists as scientists
<p>Other learning outcomes:</p> <ul style="list-style-type: none"> Encourages students to consider criteria to use in deciding which scientist to vote for and how to judge their work. Promotes use of sophisticated criteria, not trivial issues. Gives students ownership of criteria. 	<p>Suggested Homework: Look at the website and see how each scientist in your zone performs on the five most important criteria your class selected.</p>
<p>Curriculum links:</p> <ul style="list-style-type: none"> Introduction of HSW Consider ethical social and practical aspects of science. 	
<p>Resources: 'Lesson 1 – Drag & Drop criteria list' at http://ias.im/1.p.6099</p> <p>Access to I'm a Scientist website (inthezone.imascientist.org.uk)</p>	

Suggested adaptations

Support:

Less justification necessary. Lead students into the rationale behind their decisions.

Extension:

Ensure full justifications and explanations are given whenever they express an opinion.

Criteria list

- My work makes people laugh
- I go to events, like lectures, to tell people about my work
- My work will save some lives, but not many people have the disease I study
- My work won't save any lives, but will seriously improve lots of lives (e.g. helping people to walk again)
- My conclusions are based on lots of accurate data
- My work will improve the field of cosmetic plastic surgery
- My work could make me a lot of money
- I am married
- My work could help me to get a Nobel Prize
- I'm very good-looking
- My work will help us to protect the environment
- My work will help make cars that go faster
- My work will help us create replacements for plastics that we currently make out of oil
- Lots of other scientists think my work is wrong
- I give lots of money to charity
- I don't harm any animals in my work
- I use instruments we have had in our lab for years. I know there's newer ones on the market but I'd rather spend the money on other things.
- I drive a sports car.
- My work will help us understand in more detail how animals that live in the desert adapt to their surroundings
- I believe in God
- I don't believe in God
- My work will help us to understand how our brains work
- My work will help us explore space
- I'm wearing really cool trainers
- My work will help companies make more money
- My work will mean more people can have access to safe drinking water
- My work will create new knowledge
- My work will help people around the world to communicate faster
- I'm an orphan
- Lots of other scientists think my work is right
- I have tested my theory in lots of ways and haven't been able to disprove it

This list of criteria is also available as a Drag & Drop list to use with your students at <http://ias.im/1.p.6099>