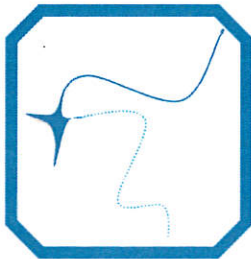


Everyone can learn maths to high levels!

There is a common myth held by millions of students, teachers and parents – that some people have a “maths brain” and some do not. This idea holds people back on a daily basis. But this myth has been disproven by brain science which shows that brains grow and change and that no one is born with or without a maths brain. Mathematical pathways form in the brain through learning.

When learning happens the brain responds in one of three ways:

New pathways form



Pathways are strengthened



Connections are made between pathways



It is very important to communicate this new science to students and help students understand that they can learn any school mathematics if they put in effort and believe in themselves.

You might like to share this video with students to help them learn the new brain science:

<https://www.youcubed.org/resources/four-boosting-messages-to-students/>

This short free student online course has been found to significantly increase students' mathematics achievement and engagement: <https://www.youcubed.org/online-student-course/>

Math or Maths?

You may wonder why our youcubed posters say mathS and not math. There are many countries in the world including the UK where Jo is from, that say maths not math. Also, maths was made into a plural noun because it is short for mathematicS - and the s on the end is important. It captures all the different forms of mathematicS and ways of being mathematical - e.g. drawing, communicating, generalizing, visualizing, connecting. The singular word math sounds more narrow and people in the US often say “do the math” when they mean “do a calculation!” Maths is so much more than calculating so we like the word mathS!

