

MATHS, BUSINESS AND COMPUTING

Welcome to the Maths, Business and Computing Super Curriculum. Below you'll find a whole host of things to do to stretch yourself beyond the classroom curriculum.

There is more mathematics involved in juggling than just trying to make sure that the number of balls (or chainsaws) that hit the ground stays at zero. As two juggling mathematicians wrote, "A juggler, like a mathematician, is never finished: there is always another great unsolved problem."

READ

MATHS: Find out how juggling is just a variety of sequences, dependant on ball numbers and hand numbers:

[The Mathematics of Juggling](#) - qedcat.com

BUSINESS AND ECONOMICS: *First to a Million: A Teenager's Guide to Achieving Early Financial Independence.*

COMPUTING: *Computer Science: A Very Short Introduction* by Subrata Dasgupta.

WATCH

MATHS: Juggling has advanced enormously in recent decades, thanks in part to the mathematical study of possible patterns:

[The Mathematics of Juggling](#) - quantamagazine.org

BUSINESS AND ECONOMICS: [Jeff Bezos Advice for Young Entrepreneurs](#) - YouTube

COMPUTING: [The Beauty of Data Visualization](#) - YouTube

LISTEN

MATHS: Listen to Ronald Graham talk about how maths relates to juggling:

[Catching and Releasing](#) - ams.org

BUSINESS AND ECONOMICS: Hosted by 14 year old Benjamin Wong, this is the premier podcast for young entrepreneurs. Each week, they bring you stories of inspirational, real-life *Kidpreneurs*: [Young Trep Podcast](#) - youngtrep.com

COMPUTING: [Codebreaker](#) - YouTube

DO

MATHS: Have a go at spotting and creating the patterns and sequences involved with juggling:

[Maths Explorer: Mathematics and Juggling.](#)

BUSINESS AND ECONOMICS: Write your own business plan - use the link below to help you get started:

[How to Write a Business Plan in 8 Simple Steps](#) - nerdwallet.com

COMPUTING: Explore some online communities and forums such as:

[Stack Overflow](#)
[HackerRank](#)
[GeeksforGeeks](#)