

## **Beyond the Curriculum:**

If you are interested in Maths and want to delve deeper into the subject, here are some things you can look at...

### **Podcasts**

[The Secrets of Mathematics](#) is a podcast series of oxford mathematicians exploring the power and beauty of mathematics and how the subject is useful in other fields like economics, medicine, and much more. The series contains a list of sensible and informative techniques and lectures from oxford mathematicians that are useful for every Math enthusiast, lover, and student.

[Breaking Math](#). Every episode of this podcast covers complex concepts of Mathematics in a very interesting, enjoyable, and understandable way. The main purpose of this podcast is to make Math easy and accessible for students instead of finding the concepts hard to grasp. If you listen to this podcast daily, we guarantee you will learn something new every day.

[The curious cases of Rutherford and Fry](#) Science and Maths are covered in the podcast.

### **More Advanced Podcasts**

The [American Mathematical Society](#) Mathematical Moments podcast describes how Math helps in the field of science, human culture, technology, physics, and nature. In short, it basically helps people understand the importance of studying and understanding mathematics. If you are a person pursuing a degree in higher mathematics, this podcast is definitely for you.

[Odds and evenings](#) Playing around with maths and puzzles. Is targeted at people with Maths degrees that they haven't used for many years so suitable for those further on in their A Level.

### **Videos**

**Search these videos up on YouTube:**

- The simplest math problem no one can solve – Collatz Conjecture
- How an infinite Hotel ran out of room
- Why it took 379 pages to prove  $1+1=2$
- Maths Fundamental Flaw
- The SAT question everyone got wrong
- How one line in the oldest math text hinted at Hidden Universes
- How imaginary numbers were invented
- The discovery that transformed Pi
- Where do Math symbols come from?
- Math is the hidden secret to understanding the world
- The magic of Fibonacci numbers
- Why can't you divide by zero?
- Why do prime numbers make these spirals?
- Pi hiding in prime regularities

- The Golden Ratio: Is it a Myth or Math?
- 2023's biggest breakthroughs in Maths

## Books

These books are all available in the LRC:

