

MATHEMATICS – PROVE YOUR PASSION

Extended reading list Suggested Further Reading / Watching List. This is particularly useful supporting reading for those students who wish to study Mathematics at university and will need to demonstrate real passion for their chosen subject.

Books

- Godel, Escher, Bach an Eternal Golden Triangle – Douglas R.Hofstadter.
This is a long, demanding although ultimately highly rewarding investigation of the paradoxical links between three giants of their seemingly different areas
- Chaos – James Gleick
This is a quite dense although rewarding exploration of chaos theory
- The Code Book – Simon Singh
This is a fantastic book which investigates different areas of cryptography including the wartime code breaking and modern cryptography
- Fibonacci's Last Theorem – Simon Singh
This is a really accessible and interesting exploration of how this long standing mathematical puzzle was eventually solved
- Freakonomics- Steven D.Levitt and Stephen J.Dubner
This is an incredible book looking at the amazing reasons for some interesting aspects in modern societies
- Super Freakonomics - Steven D.Levitt and Stephen J.Dubner
More of the same, and at least as good
- Why Do Buses Always Come In Threes? The Hidden Mathematics Of Everyday Life – Rob Eastaway and Jeremy Wyndham
This is an accessible book looking at genuinely interesting occurrences of maths in the real world
- Alex's Adventures In Numberland – Alex Bellos
This is another really accessible book full of interesting investigations of how maths appears in the real world – highly recommended

DVDs

- The Story of Maths DVD (BBC) – Marcus Du Sautoy
This amazing and accessible series looks at the fundamental role mathematics plays in shaping the world in which we live giving a fantastic historical perspective on events
- Music of The Primes DVD (BBC) – Marcus Du Sautoy
- The Code DVD (BBC) – Marcus Du Sautoy