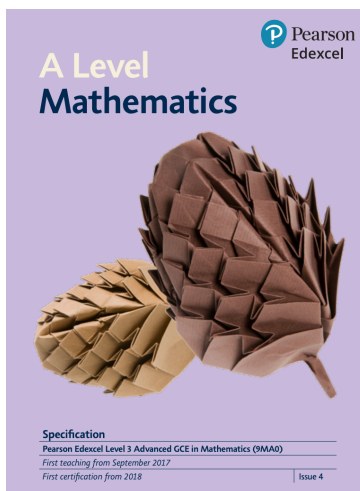


Maths - Head Start Activities



Dear Students,

Welcome to your Head Start Activities for **Maths**. Transitioning to Sixth Form is an exciting step and at Norbury High School for Girls, we are here to help you start strong. This Head Start booklet is designed to support your move into NHSG Sixth Form, giving you the chance to explore your chosen subjects, prepare for future success, and begin shaping your next chapter with confidence.

We look forward to working with you from September,
Mrs Carolina Dale-Rivas

Course details:

- Title: A Level Mathematics
- Level: Level 3 Advanced GCE
- Board: Edexcel
- [Website](#)
- NHSG Course information linked [here](#)

In these activities and ideas you will find not only opportunities to stretch your thinking but also to help you discover what you are passionate about, both inside and beyond the classroom

Listen to podcasts and talks, by subject experts and inspiring female leaders.

- [The Numberphile Podcast](#)
- [The Infinite Monkey Cage](#)
- [A Brief History of Mathematics](#)
- [More or Less](#)
- [University of Oxford: The Secrets of mathematics](#)
- [Women in Math: The Limit Does Not Exist](#)

Watch documentaries, interviews, or mini-lectures linked to your subjects to deepen your understanding.

- [London Mathematical Society Talks](#)
- [Magic Numbers: Hannah Fry's Mysterious World of Maths](#)
- [The Story of Maths](#)

Read articles, essays, or books that challenge your thinking and expand your subject knowledge.

- 50 Mathematical Ideas You Really Need to Know: Tony Crilly
- Alex's Adventures in Numberland: Alex Bellos
- The Music of the Primes: Marcus Du Sautoy
- Fermat's Last Theorem: Simon Singh
- How many socks make a pair?: Rob Eastaway
- Mathematics: A Very Short Introduction: Timothy Gowers
- My best mathematical and logic puzzles: Martin Gardner

Visit local exhibitions, galleries, or workplaces that connect with your studies and open your eyes to future possibilities.

- [London Mathematical Society Public Lectures: Sign up for info on this link](#)
- [Mathematics: The Winton Gallery](#)
- [Bank of England](#)
- [Bletchley Park](#)
- [History of Science Museum. Oxford](#)

Get ready for September Revise the top end of GCSE that you may or may not have focussed on before so you are ready for the prerequisite knowledge in A Level maths.

- **Complete this Paper, [A level questions for GCSE Higher tier](#)**