

June 2026



St Hilda's College
UNIVERSITY OF OXFORD

Mathematics (and Joint Schools involving Mathematics)

Many congratulations on your offer to study Mathematics (or Mathematics joint with another subject) at St Hilda's! We hope that you are looking forward to coming to Oxford in October.

To help you to prepare for this, we are sending you some links with additional information about the Oxford Mathematics degree and some materials for you to go through over the summer. This will ensure that you arrive in Oxford in the best possible position to perform well in your degree.

First, to learn more about the degree and your academic life at Oxford, please consult the links:

1. <https://www.maths.ox.ac.uk/study-here/undergraduate-study/prospectus>
2. <https://www.maths.ox.ac.uk/members/students/undergraduate-courses/teaching-and-learning/prelims-students>

You might like to look at the guide *How do undergraduates do mathematics?* which is accessible via the page at the second link above.

Second, we would like you to do the following things over the summer **before you arrive in Oxford**:

1. Please watch the Oxford *Introduction to University Maths* videos available here: https://www.youtube.com/playlist?list=PLbW3SaSurMTYs83Xz_bHLQwn45w16f99L
In particular, please watch the videos actively (for example, making your own notes on the material presented while you watch) rather than sitting passively while the videos play in the background!
2. Please complete some of the practice problems available at this link, focussing particularly on areas that you did not cover in detail at school: <http://www.maths.ox.ac.uk/study-here/undergraduate-study/practice-problems>
Completing these problems may require you to do some of your own supplementary reading.
3. If you have not yet studied Probability (for all students) and/or Mechanics (for those studying Mathematics only, rather than Mathematics joint with another subject), we strongly recommend that you read an elementary text on the subject(s) before you come to Oxford (for example, an A-level textbook that covers these topics).

If you would like some more mathematical material to read, some good options include:

1. Bridging material designed to help with the mathematical transition from school to university: <http://www.maths.ox.ac.uk/study-here/undergraduate-study/bridging-gap>
2. Online material about Differential Equations:
<https://tutorial.math.lamar.edu/Classes/DE/IntroFirstOrder.aspx>
<https://tutorial.math.lamar.edu/Classes/DE/IntroSecondOrder.aspx>

Finally, and perhaps most importantly, we wish you **good luck with your results**, and look forward to seeing you in October.

Yours faithfully,

Dr Robin Thompson (Fellow in Applied Mathematics)
Prof. Andrea Mondino (Fellow in Pure Mathematics)