June 2025

# St Hilda's College
UNIVERSITY OF OXFORD

**Mathematics**

Congratulations on your offer to study Mathematics at St Hilda's! We hope that you are looking forward to coming here in October. To help you to prepare for this, we recommend that you consult the link:

https://www.maths.ox.ac.uk/study-here/undergraduate-study/prospectus

This summarises the degree structure, includes useful website links and outlines the material to be covered in each year. In particular, the link

https://www.maths.ox.ac.uk/study-here/undergraduate-study/prospectus#preparation

provides a list of topics that you are expected to be familiar with from your courses in Mathematics, popular books and bridging material. It is also useful to look the information at the link

https://www.maths.ox.ac.uk/members/students/undergraduate-courses/teaching-and-learning/prelims-students

and select 'How do undergraduates do Mathematics?' under 'Study Skills and Resources'.

To provide you with an opportunity to practise problems on these topics, please look at:

http://www.maths.ox.ac.uk/study-here/undergraduate-study/practice-problems

We strongly recommend that you work through these problems in order to identify any gaps in your knowledge with your own supplementary reading. We may go over a selection of these problems within the first two weeks of Michaelmas Term.

Because of the great variability between incoming students' mathematical backgrounds, we also strongly recommend that you read through the bridging material on a variety of topics, found at:

http://www.maths.ox.ac.uk/study-here/undergraduate-study/bridging-gap

This is regardless of whether you have studied single or double Mathematics at A-level or its equivalent. In particular, please make sure to read through the documentation on Differential Equations and Techniques of Integration. If you have not yet studied Probability and/or Mechanics, we strongly recommend that you read an elementary text on the subject(s) before you come up (for example, an A-level textbook that covers these topics).

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

Yours sincerely,

Prof. Andrea Mondino
Tutor in Pure Mathematics

Dr. Robin Thompson
Tutor in Applied Mathematics

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