

# PREPARE to MODEL!

## THIS COULD BE YOU!

Watford Grammar School for Boys from Watford, Hertfordshire, England won the \$1,000 Technical Computing Third Place Award in M3 Challenge 2024 and an all-expense paid trip to New York City to present their paper.

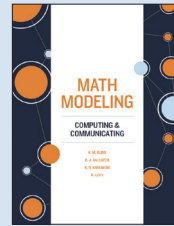
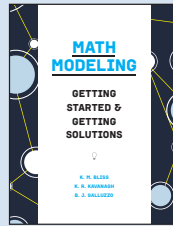
The team was comprised of Meyer Louka, Dominic De Jonge, Neil Nair, Jakub Skop, Kshitij Tyagi, and coach Yachna Tailor.



## FREE RESOURCES at [m3challenge.siam.org/resources](https://m3challenge.siam.org/resources)

### Read the Modeling Handbooks

Written by M3 problem writers and judges, *Math Modeling: Getting Started and Getting Solutions* is a terrific introduction to the modeling process. *Math Modeling: Computing & Communicating* goes beyond the basic process of mathematical modeling to technical computing using software platforms and coding.



### Practice your skills

Sample and practice problems will help you prepare for the Challenge problem.

### Watch the Math Modeling video series

Seven 2–3 minute episodes that provide instruction and insight about each component of the modeling process.

### Access free software

You can request MathWorks' MATLAB software for free! Look for "Access Software" and "Technical Computing" on the website. Use of software, coding, and technical computing is not required to participate or win, but using them makes you eligible for the M3 Challenge Technical Computing Award.

### Teach (or learn!) modeling using the GAIMME report

"Guidelines for Assessment and Instruction in Mathematical Modeling Education" (GAIMME) is a great resource for coaches!

### Peruse the "Tips and Guidance" webpage

Suggestions from past participating students, coaches, judges, and from organizers of the Challenge.

## Technical Computing

Teams that use a programming platform other than spreadsheets (Excel or other) in an outstanding way will be eligible for an additional distinction—the M3 Challenge Technical Computing Award.

## More Winning Strategies

### Check out the archives

to see past Challenge problems, winning solutions, judge perspectives, and presentation videos organized by year.

### Go on a YouTube binge

Visit "M3 Challenge" playlist on SIAM's YouTube page to familiarize yourself with all aspects of the Challenge.

[youtube.com/user/SIAMConnects](https://youtube.com/user/SIAMConnects)

**TEACHERS AND STUDENTS: Take steps to ensure greater success in M3 Challenge!**