



School of
Mathematics
and Statistics

MICRO MATHEMATICIANS

Year 9/10

Virtual After School Extension Program

Term 3 2022:
Wednesday 13th July - Wednesday 17th August
4 PM - 5 PM (AEST)

ABOUT

Micro Mathematicians is a free after school extension program aimed at students who have an interest in maths beyond the classroom. Students will explore mathematical problems at a deep level following the inquiry process.

The program will run using a virtual environment (Zoom and Google Classroom) and students will have 1 hour each week with the University of Melbourne School of Mathematics and Statistics Outreach Team. Students will be given additional activities to complete in their own time.

WHAT WILL STUDENTS BE DOING?

Students will take part in a variety of activities across a range of topics designed to promote mathematical investigation at a high level.

Activities may include:

- Problem solving
- Modeling and simulation
- Data visualisation
- Research project
- Oral presentation
- Debate and discussion

Topics may include:

- Number Theory
- Combinatorics
- Optimisation
- Geometry
- Topology
- Data Analysis
- Mathematical Biology

LEARNING GOALS

While the primary goal is to offer extension in mathematics, this program will help students develop skills in communication, collaboration, and literacy.

WHO WILL STUDENTS BE WORKING WITH?

The program will be run by passionate Teachers and Mathematicians who are members of the Outreach Team in the School of Mathematics & Statistics at the University of Melbourne.

DETAILS

Date: Wednesday 13th July - Wednesday 17th August

Time: 4 PM - 5 PM (AEST)

Location: Online, via Zoom and Google Classroom

Cost: Free

Materials required: pencil, ruler, protractor, scissors, glue stick, notebook, online access (computer/laptop, internet, Google Classroom, Zoom, webcam, microphone). Additional required materials will be advised at a later date.

APPLICATION

Do you have a student who would benefit from this program? If so, please pass on this information to their parent/guardian so they can complete the application form. As places on the program are limited, students are required to provide the following as part of their application:

- A copy of their most recent school report,
- A **brief** statement written by the student (max 400 words) addressing:
 - why they would like to participate in the program, and
 - what areas of mathematics and statistics interest them,
- Any other supporting documents (e.g. statement of support from a teacher, **relevant** certificates of achievement).

Applications must be made through an online form:

<https://go.unimelb.edu.au/3p6e>

Applications close on Friday 27th May 2022.

Notification of acceptance into the program will be given by **Friday 17th June 2022.**

CONTACT INFORMATION

For further information, please contact us at:

Outreach Team
School of Mathematics and Statistics
University of Melbourne
E: ms-outreach@unimelb.edu.au