



School of  
Mathematics  
and Statistics

# MICRO MATHEMATICIANS

Year 7/8

Virtual After School Extension Program

Term 3 2022:  
Tuesday 12th July - Tuesday 16th 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:** Tuesday 12th July - Tuesday 16th August 2022

**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](mailto:ms-outreach@unimelb.edu.au)