



School of
Mathematics
and Statistics

MICRO MATHEMATICIANS

Year 5/6

Virtual School Holiday Extension Program

Summer School Holidays:
Tuesday 18th - Thursday 20th January 2022
9:30 AM - 3:30 PM

ABOUT

Micro Mathematicians is a free three-day holiday extension program aimed at upper primary students who have an interest in maths beyond the classroom. Students will get to explore mathematical problems at a deep level following the inquiry process.

The program will run using a virtual environment (Zoom and Google Classroom). Each day will involve a mix of activity with the University of Melbourne School of Mathematics and Statistics Outreach Team, independent work, and designated breaks.

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 holiday 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 18th - Thursday 20th January 2022

Time: 9:30 AM - 3:30 PM

Location: Online, via Zoom and Google Classroom

Cost: Free

Materials required: pencil, colour pencils, ruler, rubber, 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 (1 page max) 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, certificates of achievement).

Applications must be made through an online form:

<https://bit.ly/2022MicroMathsApp>

Applications close on Wednesday 15th December 2021.

Notification of acceptance into the program will be given by **Friday 24th December 2021.**

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