MICRO MATHEMATICIANS

Year 5/6
Virtual School Holiday Extension Program

Winter School Holidays:
Tuesday 5th - Thursday 7th July 2022
11 AM - 3 PM (AEST)

ABOUT

Micro Mathematicians is a free three-day holiday extension program aimed at upper primary students 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 5th - Thursday 7th July 2022

Time: 11 AM - 3 PM (AEST)

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 (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