



# The Mico International Mathematics Teaching Summit – March 25-27, 2019: Innovation in the Teaching of Mathematics Competition

## COMPETITION GUIDELINES

### Overview:

The Mico University College, in partnership with the Ministry of Education Youth and Information, will host the inaugural **International Mathematics Teaching Summit**. This three day event will take place at the Jamaica Pegasus Hotel from March 25-27 2019.

As a precursor to the summit, The Mico will host the “**Innovation in the Teaching of Mathematics Competition**.” This competition is designed to show the relevance of mathematics in everyday life and will cause participants to demonstrate or convey a mathematical concept from a selected strand or combination of strands in the mathematics curriculum

### Competition Timelines:

- Institutions wishing to participate must register by no later than **February 8**.
- Registration can be done directly online or by downloading the registration form from the summit’s website, fill out and drop off at The Mico University College. The website is [www.micomathsummit.com](http://www.micomathsummit.com)
- The competition officially begins on February 11 and ends March 4. Judging takes places March 11-20.

### Categories:

- I. Primary Schools. (Grades 3-6). Either individual or group entry.
- II. Secondary Schools (Grades 7-13). Either individual or group entry
- III. Tertiary Institutions. Individual or group of no more than five (5) persons.

### General Requirements:

Create/design a mathematical solution that shows the relevance of mathematics in everyday life. For the tertiary category, the competition will be segmented into two (2) further sub categories,

1. Action Learning Research
2. Teaching Component.



### **Primary Schools-**

1. Develop or design an interactive game, puzzle or activity for primary level education.
2. Use Apps, technological devices, indigenous materials (e.g. bamboo) or recycled materials to bring across a mathematical concept.
3. The use of recycled materials should bring across the 3 R's, that is Reuse, Recycle, and Reduce.

### **Secondary Schools-**

1. Develop or design an interactive game, puzzle or activity for secondary level education.
2. Use Apps, technological devices, indigenous materials (e.g. bamboo) or recycled materials to bring across the concept.
3. The use of recycled materials should bring across the 3 R's, that is Reuse, Recycle, and Reduce.
4. Create an App or video that demonstrates or conveys a mathematical concept from a selected strand or combination of strands in the current curriculum

### **Tertiary Institutions-**

#### **I. Action Learning Research**

1. Present a research topic which involves some form of innovation and technology
2. Each institution is to present two (2) entries, one (1) will be selected.
3. The top three (3) research will be selected to participate in The Mico's Research Tuesday's series.
4. The overall winner will present in one of the concurrent sessions of the summit.

#### **II. Teaching Component**

1. Develop and demonstrate a forty five (45) minute- 1 hour model lesson using innovative or creative strategies that utilize technological devices, programmes and Apps. The lesson should be relevant to mathematics and its application to real life.
2. A soft copy of the lesson plan should be submitted.
3. The lessons should be modelled using students at the required grade level.
4. A video of the lesson should be uploaded to the website provided.

### **General Rule:**

1. Students are responsible for conceptualizing, designing and executing the respective projects. Teachers are responsible for guidance, supervision and mentoring of students.



## **Prizes:**

### **Primary Schools and Secondary Schools:**

1. All schools receive a certificate of participation.
2. The top three (3) schools in each parish receive a trophy.
3. Tablets for the participants from the champion school
4. Teachers from the championship school gets a gift basket an iPhone and entry to the summit.
5. The championship school gets \$250,000 towards their mathematics department.

### **Tertiary Institutions:**

1. All institutions receive a certificate of participation.
2. Trophy for the overall winner from each category.
3. Cash award of \$50,000 for the champion institution from each category.
4. Full sponsorship for the student and lecturer of the championship team.