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Application Form for the CMS 2018 Endowment Grants Competition

Deadline September 30

Title of Proposal

Math in the Community

Contact information

The one person and place to communicate with the applicant(s).

Name

E-mail

Telephone

Fax

Institution or department to administer grant funds

Name

Address

Contact

E-mail

Telephone

Fax

Summary

Less than 100 words

Total amount requested in this competition \$

In an effort to bring mathematics into the community at large and to work towards changing the public perception of mathematics, we are seeking funds to assist us with expanding our already well established school visits program and newly developed program, Count Me In! into a program where our volunteers take mathematics into the community through on-site visits and activities.

Applicants

Put any specific information on the relevant experience or expertise of an applicant in "Other".

Name(s)	<input type="text" value="Jeremy Quastel"/>	<input type="text"/>	<input type="text"/>
E-mail	<input type="text" value="quastel@math.toronto.edu"/>	<input type="text"/>	<input type="text"/>
Position	<input type="text" value="Chair, Department of Mather"/>	<input type="text"/>	<input type="text"/>
Employer	<input type="text" value="University of Toronto"/>	<input type="text"/>	<input type="text"/>
Address	<input type="text" value="40 St George St"/>	<input type="text"/>	<input type="text"/>
	<input type="text" value="Room 6290"/>	<input type="text"/>	<input type="text"/>
	<input type="text" value="Toronto, ON M5S 2E4"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
CMS Member #	<input type="text" value="005106"/>	<input type="text"/>	<input type="text"/>
Current grants	<input type="text"/>	<input type="text"/>	<input type="text"/>

What you propose to do

at most 40 lines

Over the past 7 years the Department of Mathematics has built a substantial school visits program, where local area teachers can bring their classes, free of charge, to the university to experience a hands-on workshop in mathematics. These workshops are designed to inspire students to view mathematics in a different light, to see it from a new perspective. The activities focus on mathematics not typically covered in the standard school curriculum and aim to show both the 'real world' applications of the subject along with the simply 'beauty' parts as well.

Another new initiative started by the department is, the Count Me In!- after school program. The Count Me In! Math Program is a hands-on math activities club designed to help improve students' attitude about math and work through various motivating concepts and material that they wouldn't ordinarily encounter in school.

The school visits program started out with around 50 students per year and has grown to over 800 students per year (based on 2017/18 numbers). This year we are expecting it to continue to grow and expand. Students come from all different grades (K - 12) and with varying interests and aptitudes for mathematics. The purpose of the program is not to specifically teach a concept in mathematics but to showcase mathematics in a new, more accessible light. We are seeking to inspire these students to not be afraid of math or see it mainly as a tool but to view it as a rich and beautiful (and accessible) subject on its own.

The Count Me In! program was started last year, and was held in a school in the Toronto District School Board. The program ran over a period of 12 weeks, with student volunteers from the Department of Mathematics, working with the same group of students, once every week. The program was very popular with the students for its engaging content and fun activities. We are planning to target five schools for the 2018/19 school year, which are located in under-privileged neighborhoods.

We are seeking funds to help us continue to build and establish these programs to further its reach by developing mobile activities that we can bring out into the community and work with community groups, schools and parent associations to have our students take our programs out into the community.

The funds would be used to assist with transportation costs for our volunteers, materials for the program and other 'out of pocket' expenses. We would also like to develop and build on the curriculum through your support. We already have established training programs for the volunteers to run the activities successfully .

Funds from the CMS Endowment Grant would allow us to branch out from the University and would also provide an opportunity for our current undergraduate students to get involved with spreading mathematics into the community around them, increasing their own understanding and appreciation for the subject.

Budget

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Description	Revenue		
Departmental Support	10,000		
CMS Endowment Grant requested	2,500		
Total Revenue \$	12,500		
Volunteer Transportaion	1500		
Curriculum Development	7500		
Coordinator	2500		
Materials	1000		
Total Expenses \$	12,500		

Other *Funding, partners, revenue potential, information on applicants such as publications or awards, at most 20 lines.*

We did also receive a \$2,500 grant from the Fields Institute which helps cover the costs for the on-site school visits program. These funds cover some materials expenses, room booking costs and staff costs for overseeing that program. This program would be an extension of the on-site visits and, as such, additional funds from the CMS would be used to cover off-site expenses

Project start date

Finish date