

**Proposal for the funding of our foundational  
level mathematics programme in  
Meadowlands, Soweto for the year 2020**



**Kolping Society, Johannesburg**

Reg. No. 90/06757/08

NPO No. 029-807

## Contact page

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### Project Sponsor

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### Project Manager

Ashton Kotts

**Project Manager | Maths Genius**

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This mathematics coaching programme for early school-goers (foundational phases – grades 4 and 5) is a collaboration between Kolping Society, Johannesburg and Ashton Kotts Maths Genius.

Kolping Society is an international not-for-profit organization with more than 400,000 members across more than 60 countries. We help people to help themselves.

Maths Genius is the brainchild of Ashton Kotts, an experienced mathematics teacher and coach with a passion to help the South African youth to get to love maths.

Together we strive for #nooneleftbehind and #ilovemaths



*Learners in our 2019 programme*

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#nooneleftbehind #ilovemaths

 **KOLPING**

Family: Johannesburg

## What success means to us

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Your small contribution, and our passion and experience to make a lasting difference within poor communities, will mean that some of the poorest school-goers in Soweto will learn how to do and enjoy mathematics, and will go on to later excel in mathematics and science.

Our very first programme (2019, Meadowlands, Soweto) positively impacted all our learners, and 89% experienced a significant increase in their mathematics performance based on mid-year and end-year school examinations.

We would like to continue doing this.

## The current situation

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The teaching and learning of mathematics in South African schools is not yielding the intended outcomes as outlined in our education policies, strategies and curricula. There is a large body of literature that attests to this. This includes assessment reports by the Department of Basic Education (DBE), research by universities, other research agencies and Non-Governmental Organisations (NGOs) working in mathematics education in South Africa.

The challenge is more acute at the lowest (foundational) levels within many of our public schools. For every 100 children who entered Grade 1 in 2006, only 45 of them wrote matric in 2017. Of those original 100, only 21 of them wrote pure mathematics and less than 3 passed with a mark above 60%, ensuring them entry into university studies in maths and sciences.

Less than 3% of children who started school together in Grade 1 finished matric in 2017 with a solid understanding of mathematics and the skills required to access tertiary studies in maths and sciences.

## The ideal position

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At Kolping Society and Ashton Kotts we believe that an intervention at the high school level is too late to stem the tide of drop-out and loss of confidence in this important subject. That is why our program focuses on the foundational years of primary school. Establishing, and helping our young learners to excel, in arithmetic and other basic mathematical concepts.

Our work allows more learners to leave primary school with a solid foundation in basic mathematics, enabling them to choose maths and science as high school subjects.

## Our proposal

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Based on our very successful 2019 programme, we plan to double our intake for 2020.

We will host fifty (50) learners from grades 4 and 5 every Saturday morning for three hours. Our programme will run the entire year (44 weeks) and will attract learners from the Meadowlands communities.

We will make use of four mathematics coaches and eight volunteers. Each learner will receive a healthy snack, and tea or fruit juice halfway through the morning.

Our 2020 budget is as follows:

4 x Facilitators (subject matter experts)	R 96 000
8 x Volunteers	R 64 000
Overheads (travel, learning material, project administration fees, refreshments)	R 24 480
<b>TOTAL ANNUAL EXPENSE</b>	<b>R 184 480</b>

Our Maths Genius subject matter experts are qualified and experienced facilitators and have a master's degree as minimum qualification. They will individually earn R600 per class.

Our volunteers work to set up the venue and prepare refreshments for our learners. They will individually receive a stipend of R200 per class.

Our bank account details are:

Kolping Society  
 Bank: Nedbank  
 Branch: Randparkridge (branch code: 151405)  
 Account number: 1902194586  
 Swift code: NEDSZAJJ

## Benefits to your organisation

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By donating to our non-profit organisation, you can reduce your tax liability by up to 10 per cent. Kolping Society will give you a Section 18A tax certificate to claim a tax deduction with SARS.

Philanthropy is not about giving money, but about solving problems. Your organisation can actively participate in solving some of South Africa's biggest challenges by volunteering the time of your employees to assist us in our various upliftment and educational programmes.

## Considerations

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### Who is Kolping Society?

The Kolping Society defines itself as accompanying community of faith, education and action. The focus is on work with and for young people, our commitment in the working world, interaction with and engagement for families and for the global world. The commitment for social justice is now spread over more than 60 countries.

The non-profit society was established in Germany in 1849 and was founded on the African continent in Johannesburg in 1952.

The Kolping Society operates under the slogan "help others to help themselves".

Kolping Society Johannesburg is affiliated to the international movement and seeks to empower people, especially marginalized youth in Soweto, Zandspruit, Emndeni, Riverlea and Meadowlands, through the provision of our Work Opportunity Programme, or WOP as it is also known. This intense training programme embodies our operational ethos of self-reliance and helping people to help themselves. The programme consists of life and vocational skills training with the objective to get individuals employed.

Our WOP programme has been running successfully for more than a decade in Soweto and surrounding areas.



## Who is Ashton Kotts and what is the Maths Genius programme?

The Maths Genius Program is designed to help Foundation Phase learners to overcome the areas that they struggle with in Maths as soon as possible so that problems do not continue in later years.

It helps learners to develop a sound mathematical understanding during the early years.

Our Maths Genius Program is:

- CAPS compliant
- Covers content from grades 4 and 5
- Deals with the main problem areas in mathematics, commonly identified by diagnostic tests and experts
- Is full of activities with lots of practice to stimulate interest
- Has a simple clear structure that makes it easy for trainers to work through, from beginning to end
- Has assessments at the end of each month and an overall assessment at the end of the phase.



Our instructional design methodology follows these principles:

- Appeal to all learning styles - Kinaesthetic, Auditory, and Visual,
- Mental exercises
- Building a learning culture within the classroom - everyone can be a learner and a teacher
- Rotate and balance physical activities and passive learning activities
- Ensuring that no more than 30% of time is focused on the facilitator, with the other 70% devoted to learner activities
- Finding ways to make learning enjoyable through activities.

## Our 2019 programme picture story

