

JUNE 2024

# Kutlwanong Company Profile

Accelerating  
the quantity &  
quality of  
township STEM  
passes



Contact Person

**TUMELO MABITSELA**

CEO

Kutlwanong, Centre for Maths,  
Science & Technology



**kutlwanong**

centre for maths, science & technology

# Executive Summary

## VISION

Be the leader in the provision of High School Maths and Science support programmes

## MISSION

To improve grade 12 Maths and Science results of black learners nationally to enable them to pursue careers in Commerce and Science related fields.

## METHODOLOGY

Over the past 19 years our programmes have been a pipeline for learners to excel at high school STEM; access tertiary education and pursue professional careers to serve the local & global workforce.

## STEM NGO

We are an NGO, committed to accelerating the quality and quantity of STEM performance amongst township and rural youth in Southern Africa.

## GROWTH, REPLICATION

Whilst statistics tell a story of scale, our success is best told through the stories of our young people. With fierce dedication and excellence, they are the true champions of our work.

## TRAINING & UPSKILLING

Our Career Development programme is a market differentiator that provides high school learners with STEM career exposure, bursary support and assistance to access tertiary education.

## YOUTH EMPOWERMENT

Growing and nurturing a black talent pool of professionals pursuing Commerce, Engineering, Science, Mining, Technology and Mathematics.

## 19 YEAR TRACK RECORD

We have been in existence since 2005 . Over 19 years we have fine tuned our methodology. Our aim is to replicate our programmes and scale. To increasingly advance the STEM performance of township and rural youth.

## NATIONAL FOOTPRINT

We have a trained, committed and experienced curriculum team on the ground that delivers our programmes with consistency across our centres.

## JOB CREATION

Our alumni are captains of industry, completing university and entering scarce skilled STEM careers. Opening doors and enabling peer-to-peer role modelling for our next generation.

## LOCAL DEVELOPMENT

Capacitating teachers and learners in townships and rural areas, we have proven local development strategies which are tried & tested.

# About Us

Our programmes are aligned to local and global development priorities from poverty alleviation and reducing inequalities to access to quality education and decent work opportunities.

Level 1 QSE BBBEE Contributor  
Registered Non-Profit Organisation

PBO Tax Exempt

19 Year Track Record

Founded by STEM Educators and Principals  
Aligned to the UN Sustainable Development Goal's

## Development Focused

From the UN SDG's to South Africa's NDP 2030, our programmes are aligned to local and global development priorities from poverty alleviation and reducing inequalities to access to quality education and decent work opportunities.

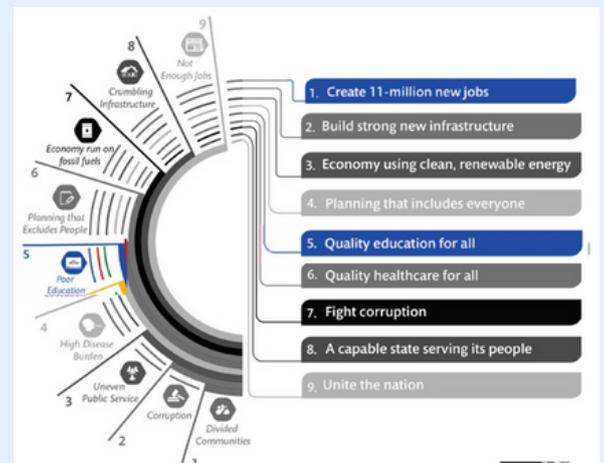
### SDG ALIGNMENT

Our Programmes respond to the United Nations SDG's of No Poverty; Creating conditions for a Quality Education and Decent Work and Economic Growth & Reduced Inequalities.



### NDP 2030

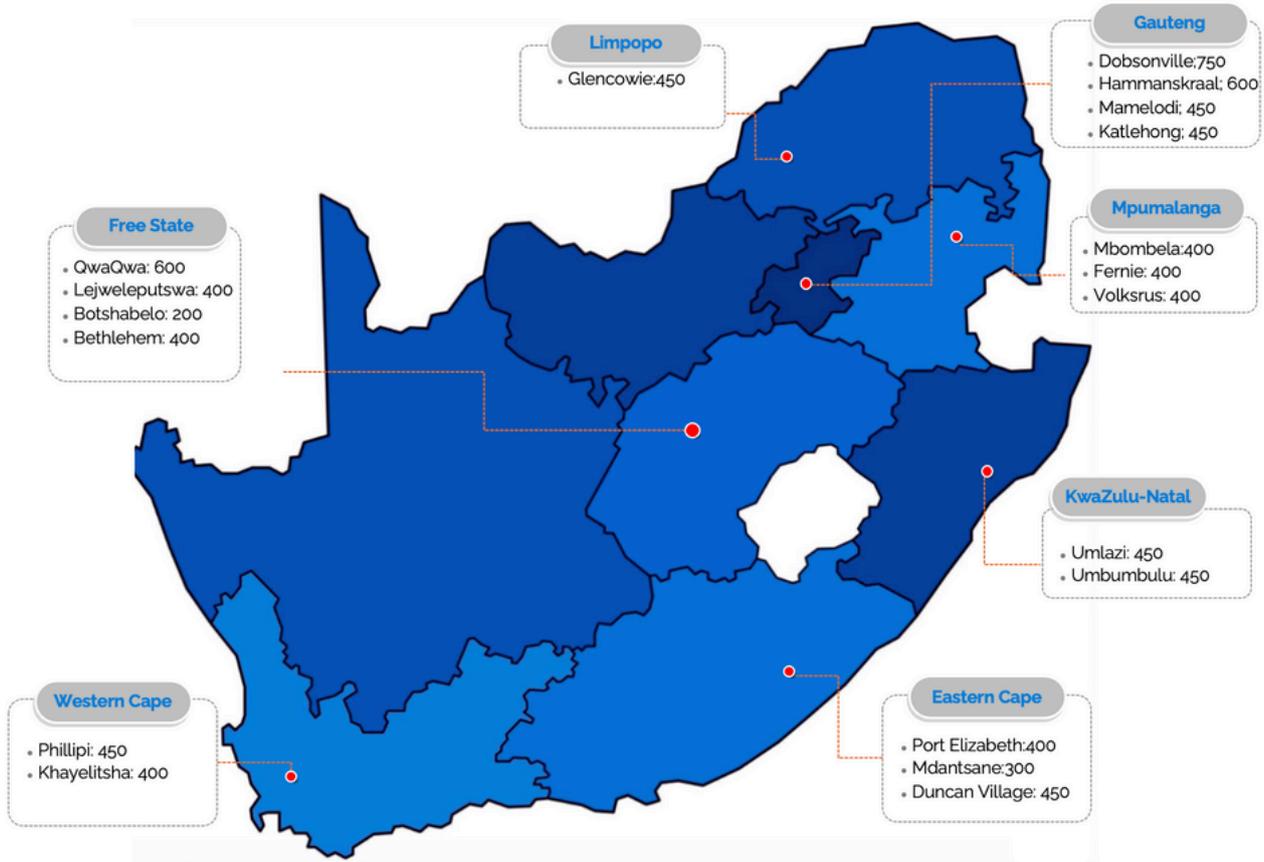
Adherence to National Priorities in the National Development Plan 2030, of supporting the Creation of 1 Million New Jobs and enabling access to a Quality Education for All.





# National Footprint

Our programmes are active in our provinces nationally. We have a strong team of educators, curriculum and assistance staff that run our programmes in person.



# Our Impact

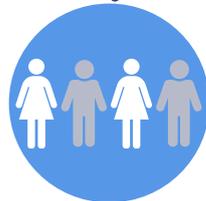
Our organisational performance in 19 years.

Accelerating the quality and quantity of STEM performance amongst township and rural youth



**2005 - 2023**  
**19 Years**  
**of Operation**

**40 619**  
**Township youth**  
**assisted**



Total number of decent passes (50-100%) achieved in Maths and Science in 19 years of our STEM programmes

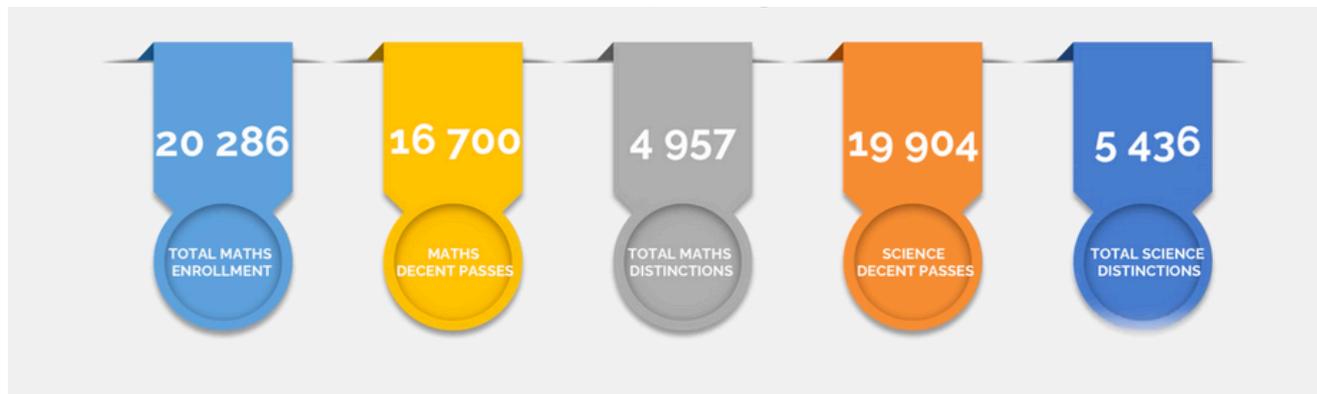
Total number of no of Grade 12 learners obtaining 80-100% in 19 years of our STEM programmes



**12 561**  
**Maths &**  
**Physical Science**  
**Distinctions**

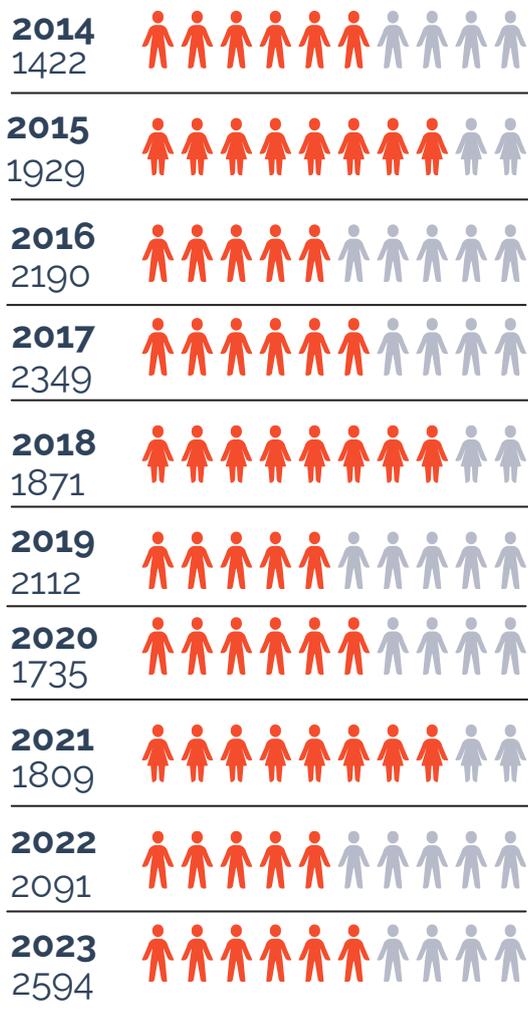
# 10 Year Impact

Our organisational performance from 2014 - 2023



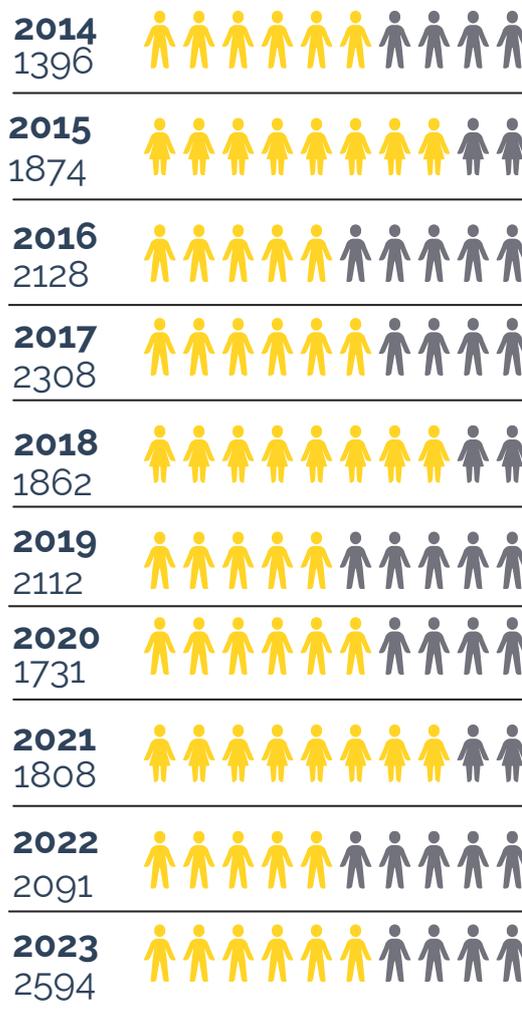
## Mathematics Intake

2014 - 2023  
10 Years



## Physical Science Intake

2014 - 2023  
10 Years



# Our Programmes

Our programmes are interconnected providing curriculum support to educators and our learner support programme assists students from high school, to tertiary and the world of work ensuring we create a pipeline of talent to serve the job market

## WHAT WE DO

### Teacher Development

Our Curriculum Team offers Workshops and Support to Transition content from the curriculum to the classroom for educators and teachers nationally.

### Learner Programme

Mathematics & Physical Science Classroom Tuition Grade 10 to 12 learners across our country.

### Career Path

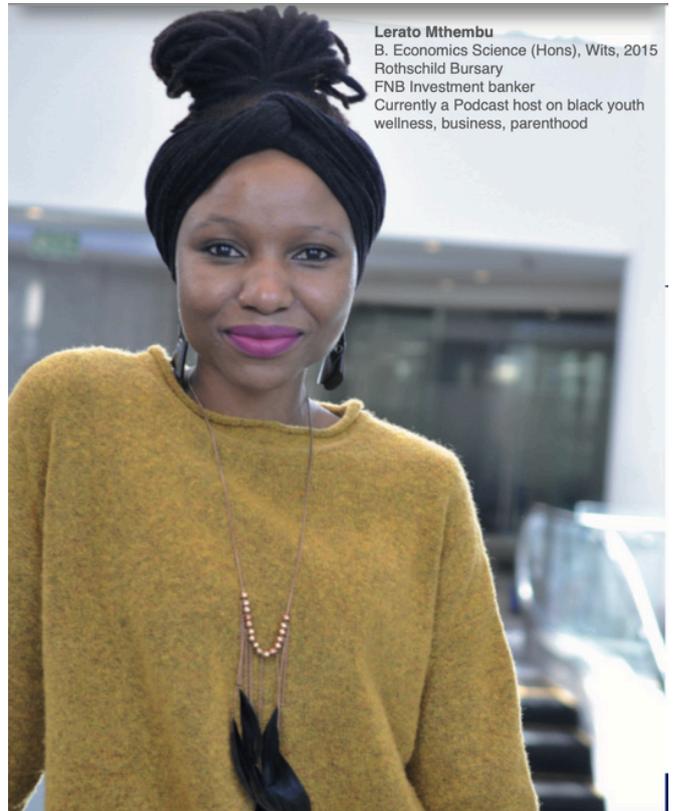
Bursaries, financial aid and assistance with tertiary applications. Exposure to wide range STEM careers, profiling black STEM professionals and role models.

### University & Workplace Alumni Programme

Assistance to transition from high school to tertiary and to the world of work for Kutlwanong learners across all major universities and technikons.



**Thuthuka Zwane**  
 B. SC Computer Science & Informatics  
 UJ, 2016  
 StudieTrust Bursary  
 IT entrepreneur



**Lerato Mthembu**  
 B. Economics Science (Hons), Wits, 2015  
 Rothschild Bursary  
 FNB Investment banker  
 Currently a Podcast host on black youth wellness, business, parenthood

# Career Path

Our career path programmes offer information, tools and support to assist students from high school, to tertiary and the world of work. We help expose them to a range of STEM and other careers to make informed choices of where and what to study post matric

## ALUMNI SOCIETIES:

- Employment opportunities through industry partnerships
- Personal and career development workshops
- Mentoring students
- Maintaining a student database to track learners
- Establishing new Alumni societies

## GRADE 11

Career vision to destination:

- Exposure to rare skills professions
- Maths and Science related careers (alumni, professionals from companies/ company)
- Importance of Grade 11 results
- Exposure to learnerships

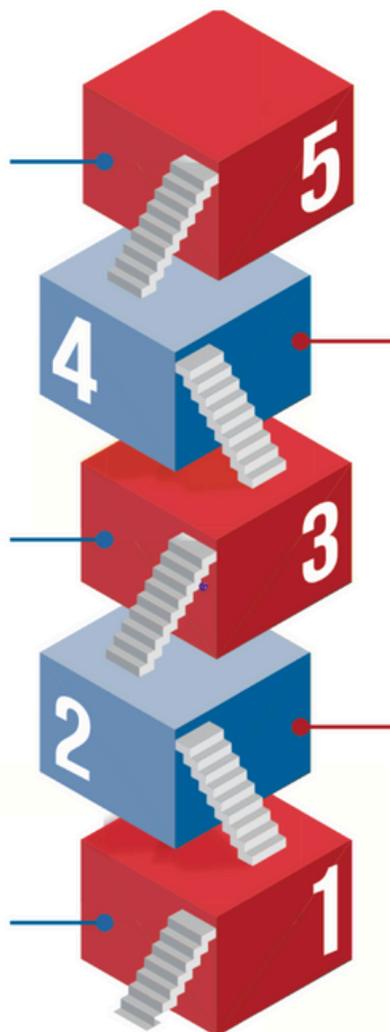
Get prepared:

- CV writing skills

## GRADE 9

**Career pinpoint: ID your career dream**

- Subject choice assistance
- Highlighting Maths and Science career options
- Help students understand link between subject choice and access to careers



## GRADE 12

- Tertiary and bursary application
  - NBT
  - Application boot-camp
- Get prepared:
- University preparation

## GRADE 10

**Career roadmap: Develop a path from your career vision to destination**

Career vision to destination:

- Career talks by alumni
  - Introduce career choices
- Take responsibility:
- Self knowledge, self management, life skills

Get prepared:

- Study skills
- Reading and essay writing
- ID application

Engage support network:

- Involve parents/caregivers

Our career path programme helps

- Gr9 learners identify a STEM career
- Gr10 learners develop a roadmap for their career
- Gr11 learners get exposure to their STEM career
- Gr12 learners complete tertiary and bursary applications to access those professional STEM careers through formal education

**OUR ALUMNI SOCIETIES PROVIDE SUPPORT, MENTORSHIP AND CAREER DEVELOPMENT TO OUR LEARNERS ONCE THEY ENTER UNIVERSITY AND TECHNIKON**

# Alumni Societies

## NATIONAL FOOTPRINT

Our teams travel to all centres enabling learners from Kutlwanong and feeder/ neighbouring schools to access career path content and guidance.

## ALUMNI SOCIETIES

Our alumni societies at university are powerful forms of support. Enabling networking, support and mentorship. Nurturing talent and opening doors for the next generation of black professional youth

## PEER ROLE MODELS

Our alumni represent Black Excellence. They went to the same schools and were taught by the same teachers as our learners, enabling peer to peer role modelling. Our learners can relate to their experiences and pay attention to their career advice.

## FUTURE PROOFING

Nurturing the thinkers, motivating the innovators and grooming the leaders of tomorrow. Generating a talent pool that is driven, motivated and skilled to serve the economy and needs of the job market.



# Our Ask

As an NGO we are reliant on our funders for support to grow our programmes. Our model is tried and tested, with a stellar performance record across 19 years. Our teams are committed to change and our model is ready for replication in other provinces as soon as new funding becomes available.

## Growth and Replication

Fund a STEM centre through Kutlwanong, boost township STEM performance with us

**Fundraising**

Partner with us to train more teachers on quality STEM content and curriculum

**Teacher Development**

We produce top STEM matric talent annually. Provide bursaries or connect us to bursars to fund our students to pursue STEM careers

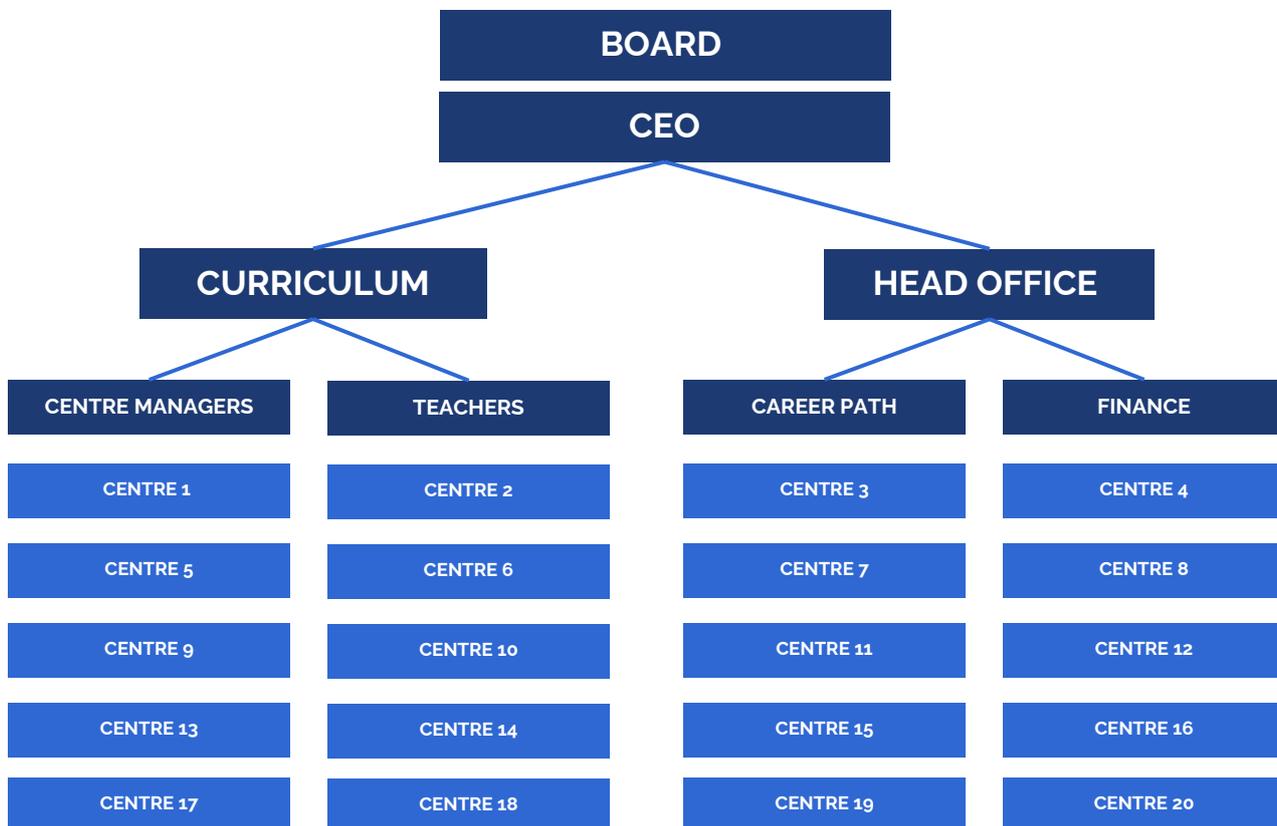
**Bursaries**

Help our STEM graduates connect with work opportunities

**Employment**

# Our Structure

## OUR NGO ORGANOGRAM



# Management



**TUMELO MABITSELA**  
CEO & Founder



**NOLUNDI DONDOLO**  
Finance and Op's Manager



**COLLEN MKWANAZI**  
Head of Curriculum

# The Board



**RICHARD MATHONSI**  
Board Chairperson; Business Development Sub Committee



**LOUIS CHETTY**  
Business Dev Chairperson; Audit & Risk Sub Committee



**DR PHASOANE MOKGOBU**  
HR Chairperson; Academia Sub Committee



**ISAAH MHLANGA**  
Academia & Audit and Risk Sub Committee



**KAVISHA VALLABH**  
Audit and Risk Sub Committee

# Reach Us

We are ready to grow our footprint, train more teachers, boost more high school learners performance and ensure township and rural students obtain the tools and information to access scarce skilled STEM careers



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