



The Office of the Executive Mayor

P.O Box 94
Cnr Commissioner
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Krugersdorp
Mogale City
1740

**ADDRESS BY THE EXECUTIVE MAYOR OF MOGALE CITY, CLLR LUCKY SELE
AT THE LAUNCH OF 'TRAIN THE TRAINER' IN PARTNERSHIP WITH
ETHEMBENI TRAINING AND GAUTENG DEPARTMENT OF EDUCATION WEST-
DISTRICT -THURSDAY, 5TH DECEMBER 2024**

Programme Director,

Esteemed guests from the Gauteng Department of Education West District 2 Team

The Ethembeni Lego Training Team

Educators

Ladies and gentlemen

It is with great pleasure that I stand before you today to launch the 'Train the Trainer' initiative, a programme that signifies a vital step forward in our commitment to enhancing education and preparing our children for the challenges of the future.

As we gather here, we recognize the critical importance of laying a solid foundation in education, particularly at the beginning stages of learning. The introduction of robotics into our curriculum (CAPS) is not merely an addition; it is a transformative approach that aligns with the demands of the Fourth Industrial Revolution. This revolution is characterized by rapid technological advancements, and it is imperative that our educational systems evolve to equip our learners with the necessary skills to thrive in this new era.

We are particularly grateful for the collaboration with Ethembeni Training and the Department of Education Gauteng West-District, whose commitment to educational



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transformation is commendable. Together, we are embarking on a journey that will not only enhance teaching methodologies but also foster a culture of innovation among our learners. The 'Train the Trainer' programme will empower educators with the tools and knowledge they need to effectively teach various subjects, with a specific focus on robotics and coding. This initiative will ensure that our teachers are not just instructors but also mentors who inspire creativity and critical thinking in their classrooms. The impact of this programme on teaching and learning is profound.

It will enable our educators to engage learners in a hands-on learning experience that promotes problem-solving and collaboration. By integrating robotics into the curriculum, we are igniting a passion for technology and innovation among our learners, preparing them to become the leaders and innovators of tomorrow.

To truly understand the importance of embracing technological advances, let's consider how far we have come in just over a century. In 1885, the world's first skyscraper, the Home Insurance Building, was completed in Chicago. At 10 stories tall, it was a marvel of modern engineering at the time, setting the tone for the future of urban development.

Today, over a century later, we have the Burj Khalifa in Dubai, the tallest building in the world, which rises to a staggering 828 meters, more than 160 stories high. This iconic structure would not have been possible without advancements in engineering, materials, technology, showcasing how far we have come in the sphere of architecture and construction. In the same way that technology has revolutionised the construction of buildings, it is also transforming the way we live, work and learn.



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The rise of smart cities, powered by cutting-edge technologies, is changing the way we view urban development. From self-driving cars to smart homes, cities are becoming more efficient, sustainable, and connected.

In the Republic of China, the progress is nothing short of astounding! The development of electric vehicles, such as hybrid cars, is rapidly reshaping the transportation industry. Many cities in the Republic of China, already have hybrid and fully electric vehicles as the norm, as the country leads the way in reducing carbon emissions and advancing green technology. In addition, the rise of self-check in stores and automated services points in cities across China, is demonstrating the power of automation and technology to enhance convenience and efficiency.

These global advancements in technology and innovation are reshaping the world in ways that were once only imaginable. In places like Stockholm, Amsterdam, and the Republic of China, I have witnessed first hand how smart technologies are integrated into urban life, creating environments that are not only more sustainable but more liveable. These cities are becoming blueprints for the future of urban development, and they offer valuable lessons for us here in Mogale City.

Recently, I had the privilege to visit the Tiger Brands Nutking plant in Kagiso which showcased how automation and systematic equipment are transforming manufacturing processes. At the Nutking plant, the use of cutting-edge technology allows the company to produce approximately 40 million peanut butter spread products each year with minimal human intervention. This automated approach to production is a prime example of how technology can optimise processes, increase



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output, and reduce costs, all while maintaining high levels of efficiency, quality and cleanliness.

In the same breath, looking ahead, we see that smart solutions are becoming an integral part of our everyday lives. The development of smart cities, equipped with sustainable and efficient technology, is no long a distant vision – it is becoming a reality. One example is the Country Gardens Estate in Lanseria, which intends to build a factory capable of assembling 20 houses per day using timber as a sustainable material. This approach offers a more efficient, eco-friendly alternative to traditional construction methods, reducing both the cost and time needed to build homes.

Mandisa Shiceka School of Specialisation on Mathematics, Physical Science and ICT with a focus on Mining, stands as a shining example of how technology can be used to find smart solutions to complex problems with their recent 1st place win at the “Solve For Tomorrow Samsung South Africa 2024”. By integrating technology into the curriculum, the school not only prepares its learners for careers in critical industries but also exposes them to the kind of technological tools that are driving progress in mining, engineering, and other fields.

In conclusion, technology will continue to shape every aspect of our lives. Our children cannot be left behind in this global technological revolution. It is essential that we prepare them for a future where technology is at the heart of every industry, and we must ensure that our educators are equipped with the knowledge and tools to guide them. This programme is a crucial step towards this goal – by investing in



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our educators, we are investing in the future of our children, our economy, and our society.

Together, we are building a brighter future, one where innovation, technology, and smart solutions drive progress for all.

-Ends