



Provincial Winner

Excellence in teaching Physical Sciences

Name: Lana Schreuder
School: Rhenish Girls' High School, Stellenbosch
District: Cape Winelands

Igniting Minds, Shaping Futures: A 21st Century Teacher, Ms Lana Schreuder, Leading with Passion and Purpose.

In a rapidly changing world, where technology, curiosity, and innovation intersect, one teacher stands out as a beacon of excellence and inspiration — Ms Lana Schreuder.

Through a 21st-century teaching approach grounded in the 5E's instructional model (Engage, Explore, Explain, Elaborate, Evaluate), enhanced by blended learning strategies, she empowers learners of Rhenish Girls' High School in their unique setting, not just to consume knowledge—but to *make meaning* of it.

She masterfully integrates platforms like Google Classroom, Google Forms/Quizzes, YouTube, and PHET as well as other virtual simulations to create dynamic, learner-centred environments. Through self-recorded video lessons and telematics resources, she extends learning beyond the physical classroom allowing her learners remote access as a tool to succeed. During lessons Ms Schreuder promotes hands-on practical sessions paired with real-time simulations to provide a tactile and visual bridge between theory and application.

More than just a teacher—she is a *lifelong learner* and *leader*.

With a Master's degree in education, focusing on teachers' awareness of science anxiety in Physical Sciences learners, Ms Schreuder actively addresses the emotional barriers to learning with teachers and learners. She actively participates in a wide range of courses and conferences, not only in Physical Sciences but also in areas such as safety, digital transformation, and entrepreneurial mindset — going well beyond the regular requirements.

Her expertise is evident in her roles as a district examiner, district moderator, senior marker and now

deputy chief marker for the National Senior Certificate examinations, shaping assessment at the highest level. Her voice resonates nationally through her work as an author for trusted Maskew Miller Learning textbooks like *X-kit* and *Platinum*. As the junior deputy principal of Rhenish Girls' High School, Ms Schreuder is the head of leadership skills and values, instilling a sense of purpose and agency in her learners, guiding them to lead peer demonstrations and engage with neighbouring primary schools, laying the foundation for the next generation of scientists and thinkers.

She does not stop at academic instruction. During the COVID-19 pandemic, she prioritised the mental wellbeing of her learners, regularly checking in and creating spaces for connection, which remains her practice!

Through constant email communication, school newsletters, and STEM Week events, Ms Schreuder keeps the spark of curiosity and relevance of Physical Sciences alive and thriving. Through social media promotion, she broadens the visibility and impact of science education.

Ms Schreuder's influence extends beyond her classroom by fostering strong partnerships with the University of Cape Town and the University of Stellenbosch, ensuring learners are future-ready. As a conference speaker, she shares insights on middle level school management and the art of classroom management, continually raising the bar for educational excellence. She leads STEM clubs, connects with iThemba Labs, STEM mentHER, mentor learners for Olympiads and Expos, school-based to international. She contributes actively to initiatives with Royal Society of South Africa.

Driven by a deep sense of purpose and an unshakable belief in the power of education, she truly embodies what it means to be a 21st-century teacher with a remarkable display of passion, being proactive and profoundly impactful making Ms Lana Schreuder a worthy recipient of this award.

Provincial National Teaching Awards (NTA) 2025



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