NWU®

Technology Transfer and Innovation Support (TTIS)

TTIS Women's Month Initiative 2026

Creating Impact Through Innovation

TTIS Celebrates Women in Innovation

Dr Moleboheng Mokhele

Senior Lecturer @ North-West University
Qualificaton: PhD (Cum Laude), specialising in Natural Sciences Education
Expertise: Early Childhood STEM Education, Life Sciences and Natural Sciences Education, Digital and Visual Literacy

Innovation Spotlight

Renewable Rangers

Dr Moleboheng Mokhele has developed an innovative educational board game that introduces children to the exciting world of renewable energy through interactive play and storytelling. The game follows the adventures of a scientist mother and her sons as they journey across South Africa and potentially the African continent—to discover different renewable energy sources, projects and technologies.

By combining education, creativity and play-based learning, the board game makes complex energy concepts engaging and accessible for young learners, encouraging curiosity about science, technology and sustainable development from an early age.

Innovation with Purpose

Innovation has the power to inspire future generations. Dr Mokhele's board game demonstrates how knowledge can be transformed into an engaging educational experience that promotes environmental awareness, stimulates critical thinking and encourages children to explore the role of renewable energy in building a sustainable future.

Through interactive learning, the innovation has the potential to support science education, promote energy literacy and inspire future scientists, engineers and innovators across South Africa and beyond.

Innovation Journey

From an inspiring idea to a market-ready educational innovation.
- Copyright Protected
- Ready for Licensing Opportunities
- Ready for Commercial Market Entry
- Scalable Across Multiple Educational Disciplines
- Creating the Next Generation of Scientists and Innovators

Dr Mokhele's innovation illustrates the complete innovation journey from a creative concept to a protected educational product with strong potential for licensing, commercial growth and widespread educational adoption. As the innovation continues to evolve, it has the potential to reach classrooms across South Africa and beyond, inspiring young learners while creating meaningful educational and societal impact.

Potential Impact

- Inspire children's interest in science, technology and renewable energy.
- Promote awareness of sustainable energy solutions through interactive learning
- Contribute to developing the next generation of innovators and leaders.
- Support schools, educators and families with an engaging educational resource.
- Encourage problem-solving, creativity and environmental stewardship.

A Message from TTIS

At the TTIS, we proudly celebrate women whose ideas are creating opportunities to educate, inspire and improve lives.

We congratulate Dr Moleboheng Mokhele on this exciting innovation and commend her commitment to developing creative solutions that make science accessible to young learners.

TTIS wishes Dr Mokhele every success as she continues her innovation journey.

We look forward to supporting her in transforming this inspiring idea into an innovation that creates lasting impact through education.

Stay tuned throughout August for our weekly inspiring stories on NWU Women in Innovation.

To learn more about the TTIS Women in Innovation Initiative 2026

CLICK HERE

TTIS Celebrates NWU Women Creating Impact

1-31 August

TTIS Visits NWU Women In Innovation

11-13 August

Webinar Unlock the Value of Invention Disclosure

18 August

Meet & Discuss Your Research @ TTIS Impact Lounge

24-28 August