

STEMulator.org

from childhood to career

- ▶ Science
- ▶ Technology
- ▶ Engineering
- ▶ Mathematics

Explore | Discover | Learn



Explore **STEMulator's** virtual landscape – for an inside view of all things STEM.
Full of animated content – Free, on-line and digital.

An initiative of NSTF/proSET professional societies, for the next STEM generation.

Memory-stick versions available for remote and rural areas.

info@stemulator.org | www.stemulator.org

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WELCOME to the STEMulator.org

What is STEMulator?

STEMulator is a unique, interactive website, designed to inspire youngsters to be excited about the **STEM** (Science, Technology, Engineering and Mathematics) world and careers. **STEMulator** is designed to operate on several platforms and devices. It's also available on a memory stick or stand alone routers, to reach even the most remote areas – and the most sophisticated (fully on-line).

Who is STEMulator for?

Born from the vision of the **National Science and Technology Forum (NSTF)** of South Africa, **STEMulator** encourages children of all ages to pursue STEM-related subjects and careers.

▶ How does STEMulator work?

- A digital landscape full of animated content from pumping human hearts to power station turbines, microbes to mountains. Youngsters can **#Explore>Discover>Learn** about the **#HiddenWorldRevealed**.
- Embraces curriculum items with hyperlinks to detailed material. Includes fundamentals of science and associated experiments, assisting teachers to focus on explaining concepts.
- Exploring the pantry takes you from bread to wheat, cheese to cow and orange juice to orchard with the factory revealing the mill, bakery, bottling line, car assembly line.

WORLD!



The **STEMulator** landscape includes the built world, living organisms and complex systems.

Mission

- ▶ **STEMulator** aims to ensure a pipeline of young people into STEM careers for the next generation and reverse the current decline in learners taking pure maths/science or STEM careers. **STEMulator** aims to restore the excitement of the STEM world.



NSTF/proSET have produced professional videos of career talks with selected award winners; you can view them on YouTube  and on TikTok .

NSTF/proSET have also created a STEM careers booklet for learners and teachers. Visit www.nstf.org.za/youth and find Science Based Career Fields on the menu.

We welcome new ideas, feedback suggestions and content contributions. The **STEMulator** is continuously growing as we add new content. If you have something we could add, please share. You can contact us at info@stemulator.org or WhatsApp +27 81 423 8483.



Explore >>> Discover >>> Learn

Childhood to Career

The hidden world revealed

It all STEMS from here



THE HIDDEN WORLD REVEALED

You too can make a difference

The SET Professional Bodies and the private sector have invested approximately R3 million to make **STEMulator** a reality. Consider these options:

- Simply spread the word **STEMulator** to educators, parents and youngsters. **STEMulator** is freely available online at stemulator.org with educational content to get kids excited about STEM subjects and careers.
- Memory stick versions of the **STEMulator** are available on request.
- View and share our postings on social media platforms.
- Send us your favourite animations on anything **STEM**. Those selected will be uploaded and visibly acknowledged.
- You and your company can also benefit: **STEMulator** is a non-profit company with a broad public-benefit footprint, and educational mandate, so contributions we receive from individuals and businesses could qualify for BBBEE points or take the form of a CSI partnership.
- Donations in kind: sharing content. Grant the **STEMulator** permission to host your suitable educational content (with IP belonging to you) on stemulator.org (subject to approval) and your contributions will be publicly acknowledged.

The **STEMulator** is a living platform – forever growing as new content is added. In conjunction with significant donors, selected areas of the **STEMulator** landscape can be expanded according to your interests.

- Simply be a donor and you will be added to our website's Roll of Honour:
Platinum R100 000 | Gold R50 000 | Silver R20 000 | Bronze R5 000

For full details visit stemulator.org

For more information on sponsorship opportunities and donations, please contact Richard Gundersen at richard@stemulator.org or call +27 82 654 6476

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