

To: **Subject Advisors**
Teachers
Parents and Caregivers of NS Tech Learners

Theme : Building Back Better

Topic: Teaching Science in context

Message Objective(s):

-To explore ways in which Science can be taught in context

The practice of teaching Science has for long been restricted within the confines of the curriculum particularly when it relates to what to teach and what not to teach.

Teaching science in context is a pedagogy that allows both teachers and learners to **apply, analyse, evaluate and synthesize** scientific facts. This allows learner to better understand the world and environment around them and furthermore interact with it in a constructive manner.

Teaching Science in context involves streamlining content as per ATPs to contextual circumstances and relating them to events from a local to a global scale.

Learners today are bombarded with information from different platforms that include the electronic, text and social media. How can we teach Science in class such that learners are able to critically analyse this information and relate it with the immediate environment?

1. **Exemplify** – Real life and current events can be used such as discussing COP 26 as it relates to climate change or better coming back home exploration of natural gas in the Wild Coast by Shell and the effects on Biodiversity. <https://youtu.be/EtW2rrLHs08>
2. **Story telling** – Use of stories or tales to cement the place of Science in day-to-day life for example the making of Umqombothi as an illustration of chemical reactions.
3. **Modelling** – Making of a water purification system using a plastic bottle and stones of different sizes to make the filtration process.
4. **Exploring the environment around them-** <https://youtu.be/uwDnNZJy9qw>
5. **Practical activities** - Engaging activities that allow learners to discuss collaborate and question phenomena.
6. **Use of interactive video and simulations** – Careful selection of videos from the internet and use of PHeT simulations. <https://www.rsc.org/periodic-table>
7. **Reading text from different media** – Enhance reading with understanding through interaction with Scientific text from different media such as local newspapers, magazines or journals.

More creative and ingenious methods of delivery for Science teaching and learning will be explored to make Science a real life, engaging and developing subject.

Thank you

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