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Dear NAPTOSA Members

As part of the DBE-Teacher Union Collaboration, the Teacher Unions are required to train their members. NAPTOSA's training focus is now continuing in the second year of the project in *Coding & Robotics*, while also addressing associated subject needs such as *Entrepreneurial and 21st Century Skills*.

NAPTOSA welcomes the opportunity to collaborate with the DBE in implementing the *Coding & Robotics and Associated Subjects* initiative. The benefits of the training programme are the following:

- Creating an awareness of robotics and coding for our teachers.
- Demystifying coding and robotics, using everyday activities which encourages computational thinking in Mathematics/Numeracy/ Literacy/Languages and other subjects (Primary school).
- Encouraging teachers to grow their own awareness and knowledge about robotics and coding and why it is so important to incorporate them into school life.
- Awareness and use of computers and computer literacy in teachers.

To meet the training needs, NAPTOSA has opted for two types of training programmes:

- 1) Plugged Training, **requiring laptops**, or 2) Unplugged Training (**possible use of smart phones**)

PARTICIPANT (Plugged and Unplugged) REQUIREMENTS



PLUGGED

1) PLUGGED TRAINING

The plugged program has the advantage of making teachers more computer literate/techno savvy across the curriculum.

This training will be available to educators who want to improve their IT skills.

- Participating educators will be required to attend a half-day training session which will be scheduled for a Saturday morning or a Friday afternoon. Venues will be communicated and will be located throughout the province.
- After the initial training the educator will be required to complete a four-module self-study programme which would require 80 hours of personal time.
- Upon completion the educator will receive an international certification (endorsed by DBE and NAPTOSA).

Please click on the link below if you would like to participate in the PLUGGED Training Programme.

<https://forms.gle/xGTxrX7pJyK6Rw1H9>

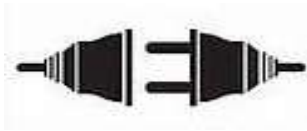
Let us serve education and each other with dignity

Office bearers

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Vice-Chairperson: Mrs Michelle van Zyl

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UNPLUGGED

2) UNPLUGGED TRAINING

- Educators will benefit by bringing laptops but may bring only their cell / smart phones for additional activities.
- Subject methodology is based on computational thinking.
- Unplugged activities are endorsed to teach concepts.
- A half-day training session of three broad topics will be held either on a Saturday morning or on a Friday afternoon.
- This “unplugged” initial training has the potential to allow the educator to progress to the “plugged” model where lessons using scratch can be utilised.
- Teachers who are reluctant to use computers, but nevertheless wish to teach coding and robotics are encouraged to opt to participate in this programme.

Please click on the link below if you would like to participate in the UNPLUGGED Training Programme.

<https://forms.gle/uxcx7AZVucy1wpEW8>

The inability of learners to read with understanding across all grades, and the ripple effect thereof in Mathematics/Numeracy/Languages and other subjects, has been of major concern to NAPTOSA. We therefore approach Coding & Robotics training with this in mind, as learners will only be able to understand algorithms and manage problem-solving if they can read with understanding.

Kind regards,

GAYLIN BOWLES, PROVINCIAL CHIEF EXECUTIVE OFFICER

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