# **DESKTOP** model

### Maths and Science Support Programme



#### DEVELOPED AND IMPLEMENTED BY

Govan Mbeki Mathematics Development Unit (GMMDU) and the FRF Chair in Maths Education at the Nelson Mandela Metropolitan University



Govan Mbeki Mathematics Development Unit empowering young minds



#### DESKTOP MODEL

The TouchTutor<sup>™</sup> Maths and Science package is installed on desktop computers and is a user-friendly and flexible platform for Maths and Science learner scaffolding support.

Learner workbooks that are aligned with the Maths and Science content video lessons of the TouchTutor<sup>™</sup> package is available to complement the desktop computer-based student support model.



#### WHAT IS THE TOUCHTUTOR<sup>™</sup> PACKAGE?

- Grades 10, 11 & 12 CAPS aligned NCS Mathematics content video series
- Grades 11 & 12 NCS Physical Science Content video series
- Grades 11 & 12 NCS Physics & Chemistry experiment videos and discussions (66 in total)
- Past national NCS mathematics exam videos- 2008-20012 - papers 1 & 2 questions & solutions
- Casio calculator video series (FX-82ZA Plus) demonstrates solutions of syllabus aligned mathematical problems using onscreen calculator emulator
- Learner workbooks that are aligned with mathematics video lessons - Grades 10 - 12
- Additional material Siyavula Everything Maths & Science books for Grades 10 (CAPS), 11 & 12 (NCS) and various other NCS Maths & Science support material.
- TouchTutor<sup>™</sup> Maths material also completely covers level 2 of the NCV syllabus as well as 90% of NCV levels 3&4.

#### SCAFFOLDING SUPPORT

The TouchTutor<sup>™</sup> package is fully aligned with the current Maths and Science syllabi and provides a user-friendly and flexible academic scaffolding support platform in schools and FET Colleges . Learner access and interaction with the TouchTutor<sup>™</sup> material holds great potential for effective independent learning.

The computers are placed under the care of a responsible mathematics educator and housed in an accessible venue i.e. classroom, laboratory, library or office. A logbook is kept of learner access and usage of each desktop computer.



#### TouchTutor<sup>™</sup> ICON

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Select your grade: Choose your resource: IMPORTANT NOTICE: English Afrikaans Xhosa

This application has been developed as part of a research study by the FirstRand Foundation (FRF) Chair in Mathematic and the Govan Mbeki Mathie Development Unit at Neison Mandela Metropolitan University (NNMU). Usage data from this app is logged such as which menus are dicked, time taken to review quiz answers and mult user information. You may be asked to complete surveys so that we can gather your opinion about the system. All the Information recorded is used to improve the learning content provided. No personal information is published, your identity is never revealed and all information is confidential.







### SCIENCE





Desktop distribution and implementation at schools in Cookhouse, Eastern Cape

#### CONTACT US:

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## **Govan Mbeki Mathematics Development Unit**

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