

The scientific and mathematical literacy approaches can be supported by the Family Maths and Science Project which aims at drawing in (sometimes hard to reach and disinterested) parents and guardians in an attempt to stimulate family participation in their children's learning and improve attitudes to mathematics and science.

4. The Mathematical Literacy Programme

The Mathematical Literacy Programme provides training, support and mentoring for teachers to implement innovative approaches to the teaching of mathematics which involve the application of mathematical concepts and process to meaningful contexts.



If you would like your school to participate on this project, please contact Vernon Naidoo at the following number and email address to request a copy of the Application Form

Telephone: 041-504 1176 / 504 2565
Cell: 082 774 8046

E-mail address: vernon.naidoo@nmmu.ac.za

The applications received from schools will be assessed and a short-list drawn up of potentially successful applications. Thereafter, interviews will be conducted with the school management teams of all short listed schools and a final selection will be made.



An Integrated School Development and Improvement Project

Implemented by the
Centre for Educational Research, Technology and Innovation (CERTI)
In the Faculty of Education at the Nelson Mandela Metropolitan University
Funded by the D.G. Murray Trust



**ONLY 20 SCHOOLS CAN PARTICIPATE
ON THIS PROJECT**

Do you feel that you can improve the performance of your school? If you do you might want to join this innovative project.
All schools in the Nelson Mandela Metropolitan area are invited to apply to become part of this innovative project.

THE PURPOSE OF THE PROJECT

The purpose of this project is to provide opportunities for school managers and teachers to improve school functionality and performance based on specific needs. It also provides opportunities for improving competencies in science, mathematics and languages.

This project therefore aims at the promotion of school management and literacy skills via self-development and school-based teaching and learning interventions. The intervention strategies are supportive and will be planned in an integrated manner to provide maximum impact in the school community.



FOCUS AREAS OF THE PROJECT

The project will focus on four main areas.



1. School Leaders Support Programme

There are at least three aspects to this programme.

Firstly, school leaders will be introduced to *action research strategies* that enable them to identify areas of concern in their schools and act upon them effectively.

Secondly, accredited short learning programmes in various aspects of school leadership will be offered.

Thirdly, the project will facilitate mentoring support for school leaders, including e-mentoring for those who have online connectivity.

2. The Language and Literacy Programme

This programme has as its aim the improvement of learner's language competencies, particularly in the language of learning and teaching.

Teachers will therefore receive training and support in innovative approaches to language teaching.

3. The Scientific Literacy Programme

The *Scientific Literacy Programme* focuses on developing teachers to enable their learners to read, write, talk, plan, do, argue, and present findings to learn science. Current applied research on the intervention has shown statistically significant improvements in participating learners' problem solving skills and in their ability to read in English and to write and listen in isiXhosa.

Teachers can follow an existing accredited short learning programme in Scientific Literacy if they wish.



This training and support can be either non-formal or through official university accredited short learning programmes.

