

Mathematics

Upper primary

Teachers Guide

2003



Papua New Guinea
Department of Education

Issued free to schools by the Department of Education

Published in 2003 by the Department of Education, Papua New Guinea

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Developed by the Curriculum Development Division of the Department of Education and was coordinated by Steven Tandale.

ISBN 9980-930-22-5

Acknowledgements

Many thanks are extended to teachers, students and other education personnel who have contributed to the development and trialing of this document since 2002. The Department of Education acknowledges the work of members of the 2000, 2001 and 2002 Upper Primary Mathematics Syllabus Advisory Committee. The Department of Education also acknowledges Senior Inspectors, Inspectors, and Education Personnel who were involved from the provinces mentioned below.

The following primary schools and teachers participated in writing workshops, trialing and consultation.

Western Highlands

Holy Trinity, Rambiamul, Hagen United and Tarangau

East Sepik

Kaindi Demonstration, St. Mary's Wiru, Kreer, Kreer Heights and Moem Barracks

East New Britain

Kalamanagunan, Kabaleo Demonstration, St. Paul's, Vunakanau Primary

Western Province, Daru

Chalmers, Edward Baxter Riley and Monford

National Capital District

Butuka, Evedahana, Murray Barracks and Ted Diro

The following organisations also made significant contributions: Mission Education Secretariat, the United Church in Daru and the Catholic Church in Mt. Hagen, Daru High School, Hagen Secondary School, Holy Trinity Teachers' College, Kabaleo Teachers' College, The University of Goroka and the Papua New Guinea Education Institute.

The late Ben Taku also made a significant contribution to the development of this Teachers Guide while attending a writing workshop in Goroka the day before he died in tragic circumstances.

This document was developed with the support of the Australian Government through the Curriculum Reform Implementation Project.

Mathematics

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Inservice Units

A set of inservice units have been written to support the implementation of the upper primary reform curriculum.

These units are:

- self-instructional, so you can access them according to your needs when and where suits you,
- self-paced, so you can study at your own pace,
- outcomes-based, so you can experience outcomes-based approaches to education,
- based on adult learning principles of learning, doing, sharing and reflecting,
- practical and related to your daily work as a teacher or a supervisor,
- collegial, so you can learn together in small groups, whole school or cluster settings,
- accredited with PNG Education Institute, so you can improve your qualifications,
- designed to promote best practice, so you can effectively implement the curriculum,
- applicable across Upper Primary Syllabuses.

These units integrate principles contained in the *National Curriculum Statement (2002)* and the *National Assessment and Reporting Policy (2003)*.

These units can be used in conjunction with this Teachers Guide.

Secretary's Message

Primary teachers are generalist teachers and this Teachers Guide is for all teachers in Upper Primary schools. It is one of a set of seven guides written for teachers of Upper Primary, Grades 6-8.

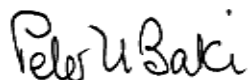
The Upper Primary Syllabuses identify the learning outcomes. The Teachers Guides give more information about what to teach and describe ways of implementing the syllabuses. The Teachers Guides are supported by the In-service Units that have been written to assist the implementation of the Upper Primary Syllabuses and provide valuable information about teaching.

I encourage teachers to work closely with members of their school communities to ensure that local community needs are met.

Important reforms to our education system will only be successful with the support and understanding of teachers. Every Teachers Guide contains detailed information about appropriate subject content, a broad range of ideas and strategies to help teachers use and understand the subject Syllabuses. Each guide is written for a particular subject but many of the ideas and strategies can be used with different subjects or when using an integrated approach to teaching and learning.

Teachers should read each guide carefully and become familiar with the content of each subject as specified in the Elaborations section in each guide.

I also encourage teachers to try out the ideas and strategies that they believe will be effective in their schools with their students. Teachers have the right to modify and amend these ideas to suit their local circumstances.



Peter M. Baki
Secretary for Education