

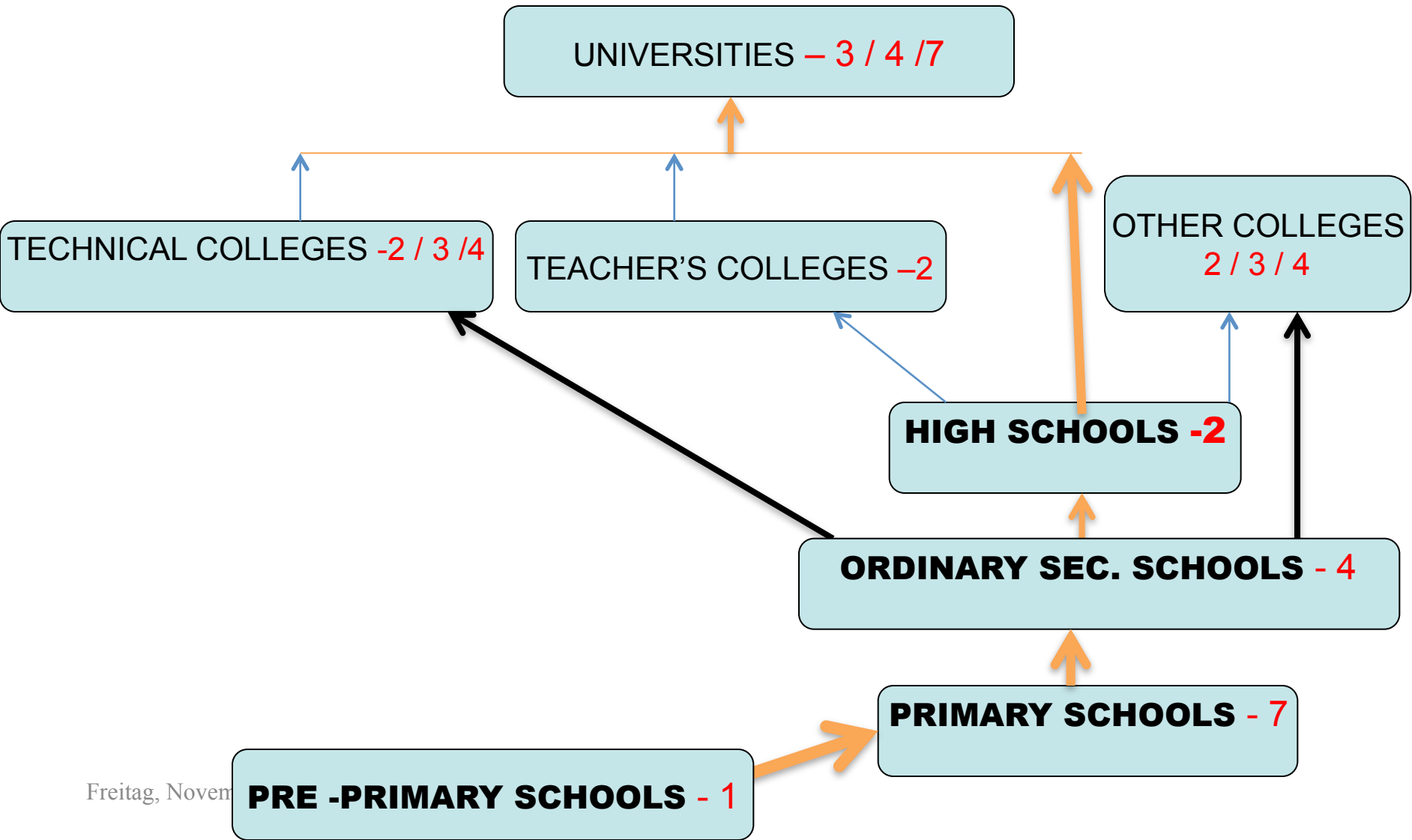
MATHEMATICAL ASSOCIATION OF TANZANIA
MAT / CHAHITA

Sylvester E. Rugeihyamu

**Chairperson,
Mathematics Association of
Tanzania**

**Lecturer, Mathematics Department,
University of Dar Es Salaam**

TANZANIA SYSTEM OF EDUCATION



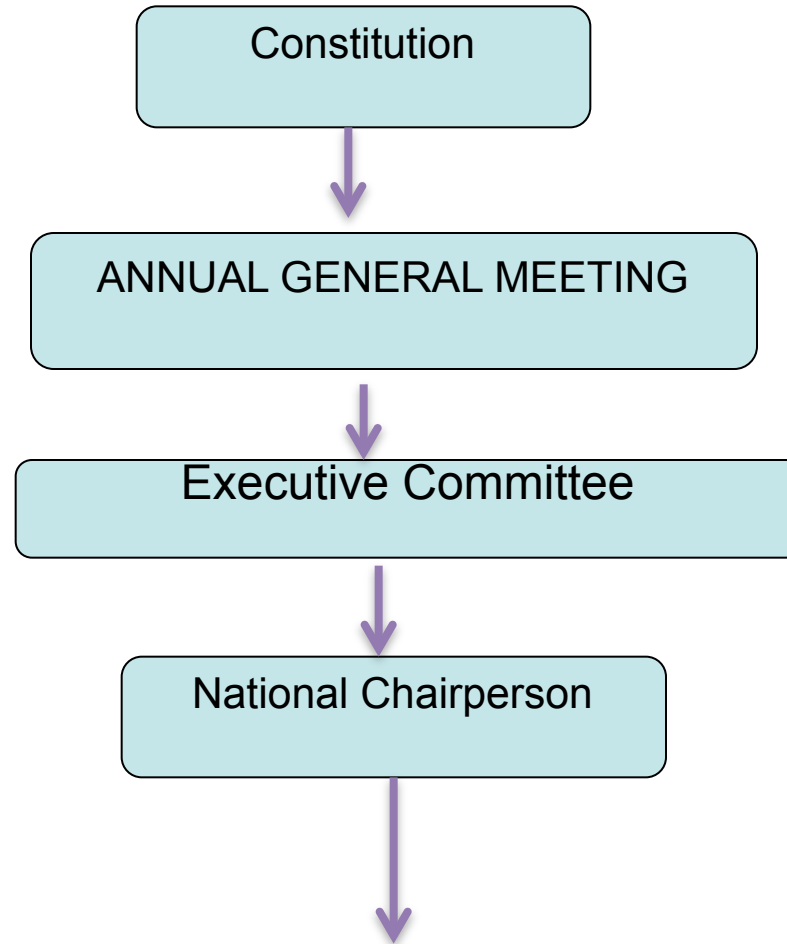
MATHEMATICAL ASSOCIATION OF TANZANIA

MAT / CHAHITA

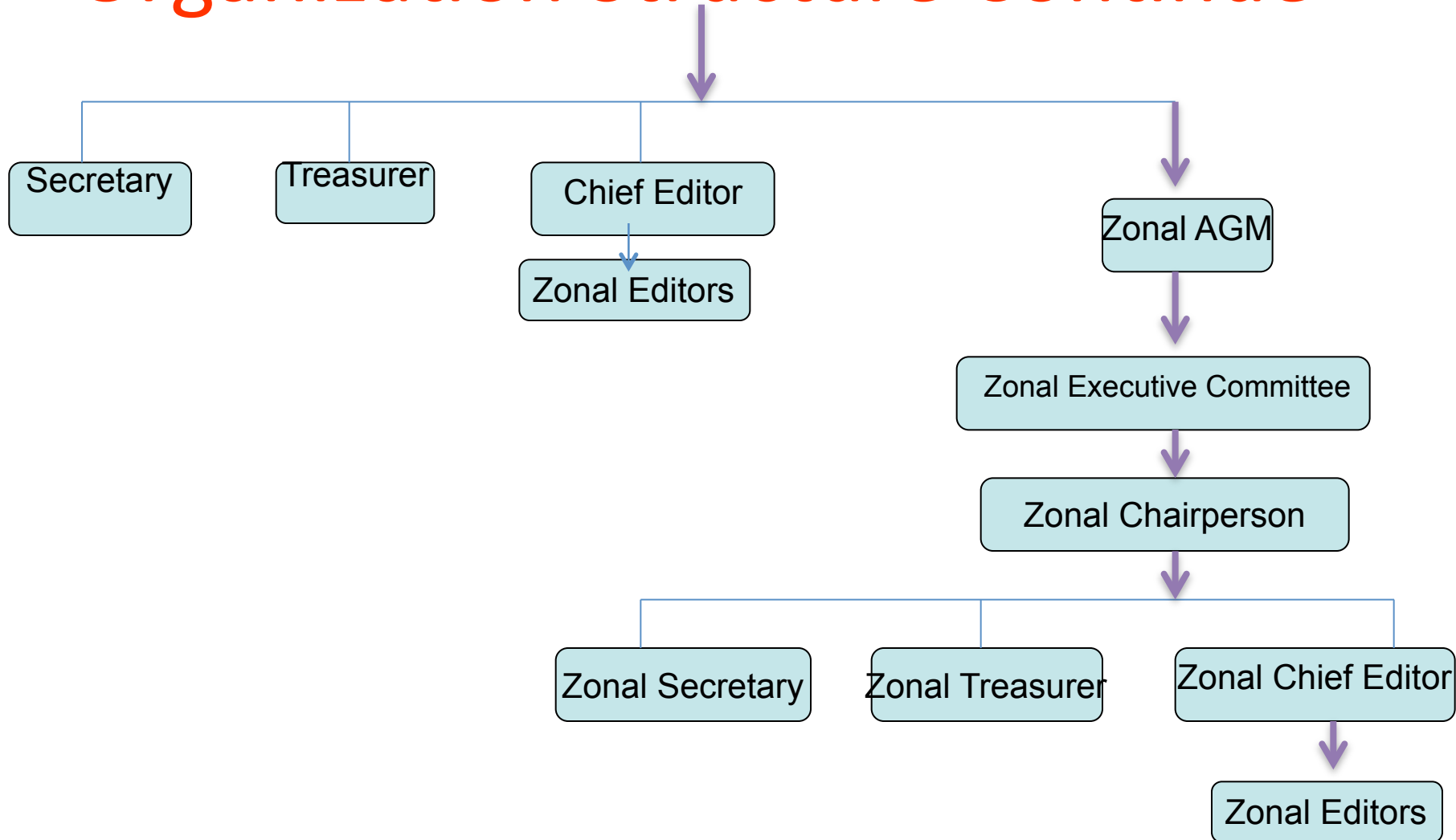
Subject Association

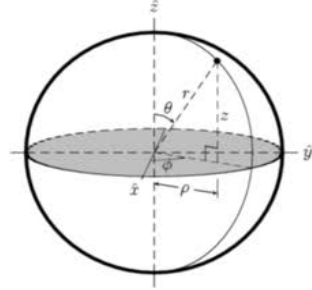
1966 to date

Organization Structure of the Association



Organization Structure Continue



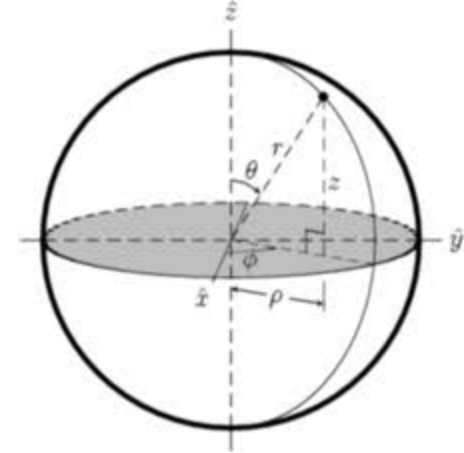


SORT HISTORY

- The Mathematical Association of Tanzania was established on January 1966 by mathematicians at the Mathematics Department, university of Dar es salaam.
- Mathematics Department of UDSM is the patron of the Association.
- This year is 48th Year of establishment.
- The English name of the Association is: Mathematics Association of Tanzania abbreviated MAT
- Swahili name of the Association is:
Chama cha Hisabati Tanzania abbreviated CHAHITA
- Members of the association are all mathematicians at all levels teachers, students and ordinary people.



Objectives



objectives of MAT are;

1. To facilitate improvements in the teaching and learning of mathematics and its applications.
2. To unit members and provide means of communication .
3. To advise the government on the view affecting and improvement of the subject.



Objectives Continue

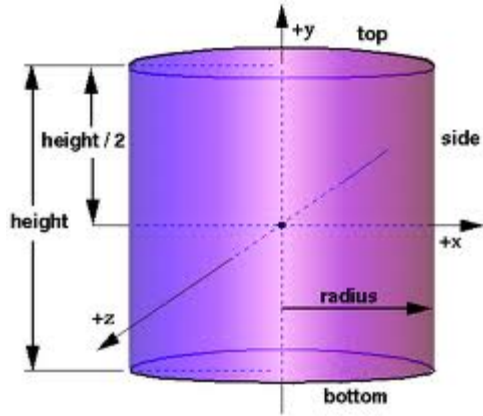
4. To strengthening Pi day celebrations
5. To stimulate interests of students and teachers to be interested on mathematics.



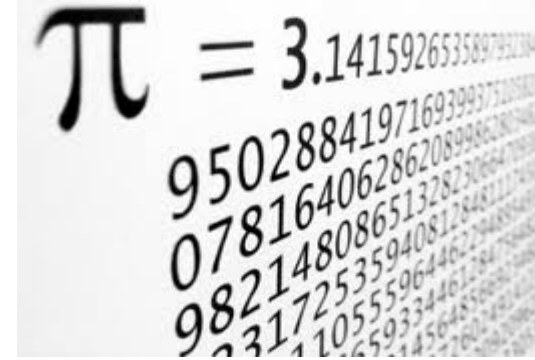
Activities of the Association

The MAT has, through the years, carried out its activities through the following means;

1. **Publication of its journal called the MAT Bulletin** mainly for documentation and to distribute information to the community.
2. **Mathematics contests.** There are two types of contests. **Junior Contest** for Form 3 and 4, and **Senior contest** for Form 5 and 6. MAT encourages schools to participate in international competitions.



Activities Continue



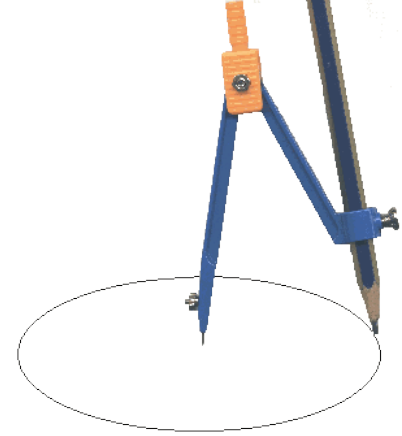
3. Research Competitions on Mathematics for both **Students** and **Teachers** .
4. At least two weeks Zonal Mathematics Seminars per year.
5. One week Annual National Mathematics Seminar, usually every year in September.
5. Pi Day Celebrations on **14th March** each Year at **1.59pm** and **26 seconds** ; $=3.1415926....$

Actual

$= 3.1415926535897932384626433832795...$



Activities Continue



Other activities include:

- Writing Mathematics Book for secondary schools and primary schools
- Teaching Aids Exhibitions at Pi day and National and Zonal seminars.

Some topics Covered in Schools

Primary

Geometry

Number line

Algebra

Decimals

Fractions

Ordinary Sec.

Geomtery

Probability

Circles

3-D figures

Accounts

Functions

Linear Program

Similarities

Sequence & Series

High School

Geometry

Probability

Circles & Spheres

Vectorial Mechanics

ODE

Integrations

Linear Programm

Differentiations

Sequence & Series

ATTENDANCE AT NATIONAL SEMINARS FOR 6 YEARS

YEAR	PRIMARY SCHOOL TEACHERS	ORDANRY SEC. TEACHERS	HIGH SCHOOL TEACHERS	UNIVERSITY LECTURERS	OTHERS e.g Participants from other countries	TOTAL
2009 DSM	31	162	35	12	2	242
2010 MOROGORO	30	255	87	12	3	387
2011 IRINGA	40	222	80	10	7	359
2012 ARUSHA	9	157	72	6	8	257
2013 MBEYA	30	52	227	6	4	319
2014 MWANZA	45	288	80	5	2	420



SOURCE OF FUNDS

1. University of Dar es Salaam (the Patron)

- Provide facilities for national committee meetings
- Sometimes support photocopies
- Sometime support staff to attend the seminars

2. Government provide support through the participants pay participation fees to the seminars – authority is the head of school.

3. Sometimes Government through Ministry of Education provide – financial support.

Mathematics is the only subject Association

Other subjects are:

Chemistry

Physics

Biology

History

Kiswahili

English

Geography

Civics

Commerce

Book-keeping

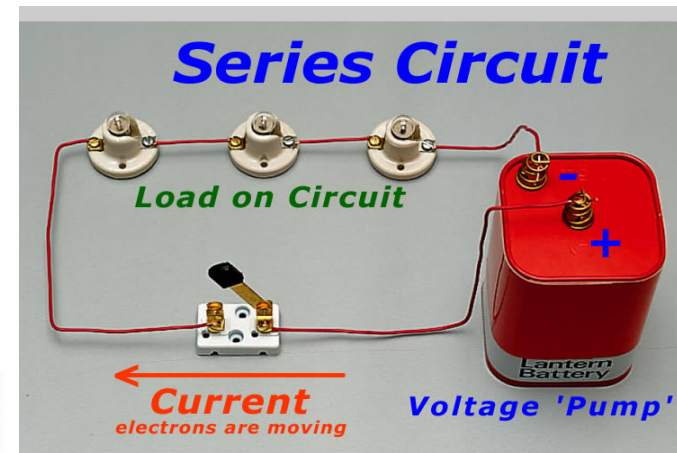
Economics

etc

THE PERIODIC TABLE SYMBOLS

KEY-ELEMENTS TYPES

- Alkali Metals
- Alkaline earth metals
- Transition Metals
- Lanthanides/rare earth
- Actinides
- Poor Metals
- Nonmetals
- Semimetals
- Noble Gases



Point to Note

1. The association has been active since 1966 to date.
2. Has been organising National and Zonal Seminars each year.
3. Has been Organising Contests each year.
4. The association is known most of mathematician and ordinary people (**not all people know MAT**).

Problems and Challenges

- **Lack of funds:** The only source of funds for MAT/ CHAHITA depends on selling MAT publications, very small collection obtained.
- Depend on sponsors. However, presently, sponsors are declining to support MAT/CHAHITA.
- **Poor attendance at the seminar, worse for** primary school teachers.
- **Negative attitude** towards learning Science and Mathematics in schools.

Challenges Continue

- In the past years, science candidates mainly were to be teachers.
- Teachers get low salaries while other posts get better salaries.
- Even doctors they are not getting better salaries (**anyway better than the teachers**).
- Lack of funds for review of MAT books.
- Negative altitude is still there.

Future Plan Continue

- To reach more schools/teachers
- To stimulate interests through seminars and Pi day.
- To Review MAT books.
- To Write New simple booklets to facilitate teaching and learning.
- Convince Government to sponsor more teachers.
- To attract funds for MAT activities.

Future Plan - Continue

- To produce more publications
- Efforts will be made to contact various organisations to support seminars and other activities of the association both at national and zonal levels.
- To Continue celebrations Pi day so as to sensitize community to be aware on the importance of mathematics.

Future Plan - Continue

- To request various organizations to come forward and support important events which are necessary for development of science and mathematics.
- Various methods will be used to attract more girls to be interested in Mathematics and science.

Some Photos

Photos at Pi day Celebrations **14th March 2012**

AND

Photos at National Mathematics **12th -17th
September 2012**





MATHEMATICS
IS A QUEEN
OF SCIENCE



PEARSON

New General Mathematics
PEARSON

New General Mathematics
PEARSON

New General Mathematics
PEARSON

Pure Mathematics
PEARSON











ALWAYS LEA

MDUARA
KIPENYO

MDUARA (C) = PAI (JY)
(IPENYO (d))







CHAMA CHA HISABATI TANZANIA
(MAY/CHAHITA)
MAADHIMISHO YA MIAKA 10 YA SIKU YA
PAI TANZANIA TAREHE 14/3/2014
KAULIMBIU: HISABATI NI MSINGI WA SAYANSI
NA TEKNOLOJIA

TUIPENDE
HISABATI

WE NEED TO
IMPROVE

CHAMA CHA HISABATI TANZANIA
MAY / CHAHITA
MAADHIMISHO YA MIAKA 10 YA
PAI TANZANIA







MDUA
KIPEN

WASICHANA
MBELE KAT
PAI."

HIKA 10 YA PAI NI
MWA 2014

NA KUNA
SAYANSI

PAI NI HISABATI
HISABATI NI MSINGI
WA SAYANSI NA
TEKNOLOJIA.

CHAMA CHA HISABATI TAKZAKA
MAY / CHAHITA
MAADHIMISHO YA MGAHA 10 YA
PAI (TI) TANZANIA

HISABATI NI
A SOM

SHAURI
AA YA
ONI

E ATI



SHAHIMU
A
AMUKO

ENEOLADDIRA

Nusu ya mzungu wa duara ($\frac{c}{2}$)
au $\pi \frac{d}{2}$ au πr

Urefu





MOUNTAIN - KILIMANJARO



SERENGETI NATIONAL PARK





THANK YOU FOR LISTENING
AND
WATCHING ENTERTAINMENTS