

Profile for MAB

BACKGROUND INFORMATION

1.1 NAME OF THE ORGANIZATION

Mathematical Association of Botswana (MAB)

1.2 CONTACT DETAILS

Correspondence Address:

Mathematical Association of Botswana (MAB),

P.O. Box 675, Gaborone

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Website: www.mab.org.bw

2. LEGAL STATUS

Registered with Registrar of Societies (CR 0514) (Copy of Registration Certificate attached)

2.1 NATURE OF THE ORGANIZATION

Mathematical Association of Botswana (MAB) is a non-profit making association registered with Registrar of Societies on the 3rd January 1980, in Gaborone. The vision of the Association is to provide support to Mathematics educators for the development of the profession and leadership in a changing, technologically-driven and communication-focused society. This vision can be achieved through professional development of mathematics educators, talent identification and development amongst school youth, development of problem solving skills and advocacy for high quality education.

2.2 PROOF OF REGISTRATION

A copy of Registration Certificate

2.3 DATE OF REGISTRATION

3rd January 1980

2.4 OBJECTIVES AND ACTIVITIES OF THE ORGANIZATION

The aims and objectives of the Association are promotion of mathematics education and enhancement of quality of teaching and learning through the following:

- (i) promotion of excellence in schools mathematics curriculum, instruction and assessment,
- (ii) stimulation of learners' interest, promoting high level achievement and instilling high confidence in the learning of mathematics,
- (iii) advocacy for excellence, high quality education and professional development,
- (iv) promotion of research and application of mathematics to real-life situations,
- (v) development of partnerships and collaborations to transform mathematics teaching, learning and research,
- (vi) engagement in socio-economic, political and cultural development activities and
- (vii) broad based participation in out-reach and enrichment mathematics programmes; and
- (viii) engaging in mathematics competitions and problems solving contests.

MAB Management Team

The Mathematics Association of Botswana is run by an Executive Committee comprising of Mathematics professionals from National Colleges, Universities and secondary school teachers. The members have led school teams to mathematics competitions; coordinated national and regional mathematics competitions, organized mathematics conferences and workshops in Botswana and in the Southern region of Africa.

Patron

- ❖ The Executive committee may invite suitable persons or institutions to become Patrons of MAB.

- ❖ Patrons need not be members but from time to time shall be extended the privileges of membership.
- ❖ Invitations to become Patrons may be extended to persons or institutions by virtue of the high office in society or by virtue of their contributions to the Association.
- ❖ The Patron shall be the Executive Advisor or Anchor person or institutions between MAB, Industry, Institutions (local and external) and other stakeholders whose main objective is to advance mathematics learning and teaching in Botswana.

Membership

Ordinary membership

- All persons practising as mathematics teachers, mathematicians and mathematics educators including those in auxiliary teaching services, in both formal and non-formal institutions are eligible as ordinary members.
- Ordinary members shall be entitled to attend all open meetings of MAB, to vote at such meetings, are eligible for election to executive committee and other committees of MAB and shall receive such publications of MAB as the Executive shall decide and as are stated in the Regulations.

Associate membership

- All persons with an interest in Mathematics education but not practising as mathematics teachers, mathematicians and mathematics educators and bonafide students at any educational institution in Botswana are eligible as associate members.
- Associate members shall have the same privileges as ordinary members.

Institutional membership

- All educational institutions and industrial or commercial concerns with an interest in Mathematics education are eligible as institutional members of MAB.
- An institutional Member of MAB shall nominate one representative to attend all open meetings and be eligible for election to executives and committees of the Association.
- An institutional member shall have only one vote at meetings and shall receive only one copy of any publication supplied to ordinary members.

Honorary membership

- The AGM may bestow honorary life membership on any member in recognition of a special contribution to MAB or in the field of Mathematics education.
- At no time shall the number of such honorary members exceed five living members.
- Honorary members shall have the same privileges as ordinary members, but shall not be required to pay subscriptions.

Affiliated membership

- Any organization may apply, or MAB may invite any organization to become affiliated to MAB.
- An affiliated member of MAB shall nominate one representative to attend all open meetings and be eligible for election to executives and committees of the Association.

Collaborations

The association has established links with the following organizations:

Ministry of Education and Skills Development (MOESD)

The ministry supports schools membership and sponsorship of MAB activities such as workshops, Mathematics and Science fairs as well as National and international competitions.

Ministry of Infrastructure, Science and Technology (MIST)

The ministry collaborates with MAB in coordination of a number of activities in Mathematics, Science and Technology.

University of Botswana (Department of Mathematics and Department Mathematics And Science Education)

The Mathematics Department plays a crucial role in organization and implementation of the Associations activities such as setting and moderating contests, facilitating in workshops, Mathematics Olympiad, running of the fairs and reviewing the MAB Newsletter articles.

Limkokwing University of Creative Technology (Botswana)

They are currently our patron. MAB has enjoyed a lot of support from the University

Botswana Science Association (BOTSA)

The association collaborates with BOTSA in the Mathematics and Science Fairs at cluster, regional and national levels.

South Africa Mathematics Foundation (SAMF)

The association has collaborative links with SAMF in the area of Mathematics Olympiad. Our local students can participate in the South African Mathematics Olympiad.

Pan African Mathematics Olympiad (PAMO)

Botswana students can participate in PAMO and enjoy sponsorship and training Students and teachers

International Mathematical Olympiad (IMO)

Botswana students can take part at the annual IMO, this is the ultimate math Competition for high school students under the age of 20.

1. Strategic Objectives

Vision

To be the leading professional association of Mathematics.

Mission

To advance the learning and teaching of mathematical sciences at primary, secondary and tertiary institutions in Botswana through competitions, leadership, professional development and research.

Aims and Objectives

The aim of the Association is to promote mathematics education and enhancement of quality of teaching and learning through the following objectives:

- promotion of excellence in schools mathematics curriculum, instruction and assessment,
- stimulation of learners' interest, promoting high level achievement and instilling high level confidence in the learning of mathematics,
- advocacy for excellence, high quality education and professional development,
- promotion of research and application of mathematics to real-life situations,
- development of partnerships and collaborations to transform mathematics teaching, learning and research,
- engagement in socio-economic, political and cultural development activities
- broad based participation in out-reach and enrichment mathematics programmes; and
- engaging in mathematics competitions and problem-solving contests.

9.1 Strategy objective 1

To identify and nurture talent through quizzes, contests, mathematics Olympiads and research

9.2 Strategy objective 2

To facilitate professional development in mathematical sciences among mathematics educators

9.3 Strategy objective 3

To promote the use of ICT in learning, teaching and research in mathematical sciences

9.4 Strategy objective 4

To develop a strong partnership between mathematical sciences community and industry

9.5 Strategy objective 5

To promote gender equity and disability access into mathematical sciences learning, teaching and research

9.6 Strategy objective 6

To promote the use of mathematical sciences research to address socio-economic problems

1. Implementing strategy

The implementation of the proposed strategic plan will require contributions from various stakeholders and partners of the association. The role of the Executive Committee will be to ensure the full implementation of the plan, monitoring and evaluation of the plan as well as mobilization of resources and services available in the mathematical sciences community.

MAB Capacity building: The Executive Committee and Regional chairpersons are key players in the implementation of this document. These individuals as constituted lack certain key skills required for efficient execution of tasks. There will be need to have occasional empowerment programmes to equip with required skills.

Role of members: Coordinate mathematical schools or institutional clubs to participate in MAB activities as well as to provide expertise in execution of certain tasks.

Resource mobilization and partnerships: MAB works in collaboration with schools, Government Ministries, Colleges, Universities, NGOs and Corporate companies. The majority of them have interest in the development of mathematics learning and teaching in schools and tertiary institutions. Some are interested in the application of mathematics in improving the lives of citizens.