



# AIMS

African Institute for  
Mathematical Sciences  
**NEXT EINSTEIN INITIATIVE**

The Secretariat  
District Gasabo, Secteur Kacyiru  
Cellule Kamatamu Rue KG590 ST  
Kigali, Rwanda

## **We're transforming Africa through innovative scientific training, technical advances and breakthrough discoveries!**

The African Institute for Mathematical Sciences (AIMS) is a pan-African network of centres of excellence for postgraduate training in mathematical sciences, research and public engagement in STEM. Its mission is to enable Africa's brightest students to flourish as independent thinkers, problem solvers and innovators capable of propelling Africa's future scientific, educational and economic self-sufficiency. The first AIMS centre opened in Cape Town, South Africa in 2003; since 2011, AIMS has opened additional centres in Senegal, Ghana, Cameroon and Rwanda.

Each AIMS Centre provides expertly tailored academic and non-academic programs, training around 50 African students each year and preparing them for leadership in the domains of academia, government and industry. The AIMS academic program relies on top international lecturers who teach in a 24-hour learning environment.

If you bring a collaborative spirit with a passion to effect change, consider this opportunity as the...

## **Pedagogic Lead – Mathematics & Physics, TTP Rwanda!**

The Teacher Training Programme (TTP) Rwanda is a five year blended (face-to-face and online) training Programme seeking to enhance the capacity of secondary school teachers (in-service and pre-service) in the teaching of mathematics, biology, chemistry and physics with the use of information technologies as a key component in teaching and learning. In partnership with the Government of Rwanda, the Rwanda Education Board (REB), the National Examination and Schools Inspection Authority (NESAI), and the University of Rwanda College of Education (UR-CE), the Programme will equip teachers with skills, tools and resources to implement the competency based curriculum (CBC) using transformative teacher centric professional development approach.

As the Pedagogic Lead – Mathematics & Physics, you will serve as lead person in the implementation of training programs in mathematics and physics; lead the development of gender sensitive CBC teaching materials in mathematics and physics; lead the training of School subject leaders, peer facilitators in running the teacher led CPD sessions for mathematics and physics teachers; establish and maintain up-to-date professional records of work; lead in the designing of quality assurance mechanisms for teaching mathematics & physics in target schools, support to District Education and school leadership in implementing effective quality assurance mechanism for teaching & learning of mathematics & physics; support TTP Outreach Officers, classroom teachers, school subject leaders in designing and delivering targeted research informed and evidence based student led learning interventions for mathematics & physics, support the process of ICT integration and reinforcing of improvisation in the teaching of mathematics & physics in target schools, support classroom teachers in effective teaching & assessment for effective learning and participate in the research activities and policy dialogue sessions linked to the Teacher Training Program and support the TTP Director in oversight of the program implementation.



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Additionally, you will: support teachers and schools to create positive learning environment for mathematics & physics for both female and male students; the designing of research & evidence informed interventions targeting female teachers and students to inspire more female students to participate in the learning; and through the community outreach program and engage with parents and other members of the community on importance of STEM & their role in supporting quality teaching & learning of mathematics & physics in the Country and represent the program in relevant MINEDUC /REB/NESA working groups teacher CPDS.

This is a full-time opportunity based in Kigali with limited travel within Rwanda.

## Do you have what we need?

- A Master's degree in education with a major in either mathematics and physics. A PhD degree will be an added advantage;
- At least 5 – 10 years of continuous teaching in a secondary school or college required;
- At least 3 – 5 years of leading professional development programs for mathematics & physics teachers;
- Demonstrable capacity to work with teachers in the context of a community of practise and leading a teacher-centric transformative professional development programs;
- Avid interest and or experience in shaping research informed science education interventions;
- Thorough knowledge of the subjects of specialization to inspire confidence among teachers and learners;
- Proficient in effective (education research informed) integration of ICT for teaching mathematics & physics;
- Strong proficiency in Microsoft Office with particular strength in the use of Word, PowerPoint, and Excel spreadsheet;
- Experience in use of cloud computing including common applications among them Gmail, Skype, MS SharePoint etc.;
- Be able to use practical examples in the teaching of the subject of specialization making sure that appropriate strategies are employed to bring out ideas clearly;
- Show strong leadership in and out of classroom, be able to provide leadership in every assignment to achieve planned objective;
- Be highly motivated and possess excellent communication, organization and presentation skills;
- Experience working in an NGO is an added advantage;
- Possess a good command of English language; knowledge of French is an added advantage.

## Are you ready to be a part of the transformation?

Click [on this link to apply](#). Applications will be accepted until November 30, 2021.

Should no feedback be received from AIMS-NEI within four weeks of your submission, kindly accept that your application will not be further pursued. AIMS-NEI reserves the right not to make an appointment at its sole discretion.



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