

WOMEN IN STEAM INITIATIVE



2024 Pictorial Highlights:-

**WOMEN IN STEAM
INITIATIVE**

“Giving girls a voice in STEAM”

WOMEN IN STEAM INITIATIVE



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2024 Monthly Virtual STEM Webinars

Women in STEAM Initiative are part of the Alliance STEAM Afrika Education (ASAE), a project of Return Initiative for the Development of Sub Saharan Africa (IRDAS) that seeks to bring visibility to women-led STEM organizations across Africa.

The partnership saw the empowerment of 2000 students across Africa on STEM career pathways and mentorship from young women in different STEM fields.

Caroline Nyaga, the founder and CEO of Women in STEAM Initiative also takes the lead as the African Anglophone representative and the head of Women's network in ASAE.

VIRTUAL STEM WEBINAR
Navigating through Tech as a Girl!

CAREN JERUTO
 Bachelor of Applied Science
 Information Technology

15th November 2024
 5.00PM EAT
 ZOOM

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS

EXPLORING TWO STEAM WORLDS
MEDICAL GENETICS X ROBOTICS

Millicenta Kukua, PhD candidate
 Medical Genetics

Lucy Mwaniki
 STEM Educator,
 Robotics Trainer

WEDNESDAY 14TH 2024
 FROM 6PM EAT VIA
 ZOOM

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS, REACH FOR STEM

Webinar
A Girl in STEM
Exploring Mechanical Engineering

Date: 25th May 2024
 Time: 5.00PM (EAT)
 ZOOM

Juliet Maingi,
 Club president,
 JKUAT society
 of Engineering
 students
 (BSc
 Mechanical
 Engineering)

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS, REACH FOR STEM

Virtual STEM Webinar
Exploring Cybersecurity Analysis

Sherry Obare, BSc
 Computer Science,
 (Cybersecurity)

• Venue: ZOOM
 • Time: 5.00pm EAT
 • Date: 21st September 2024

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS, REACH FOR STEM

VIRTUAL STEM WEBINAR
The Voice of a Female Medical Student

Juster Muthoni,
 Medical Student
 Bachelor of Medicine and Surgery
 The University of Nairobi, Kenya

Date: 2nd
 August 2024
 Time:
 6.00pm EAT
 Venue:
 ZOOM

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS, REACH FOR STEM

INTERNATIONAL GIRLS IN ICT DAY 2024
LEADERSHIP

25th April 2024
 6.00pm EAT
 ZOOM

Thelma Ibeh
 Director Faslearn

Grace Irungu
 Computer teacher

Lucy Mwaniki
 Robotics trainer

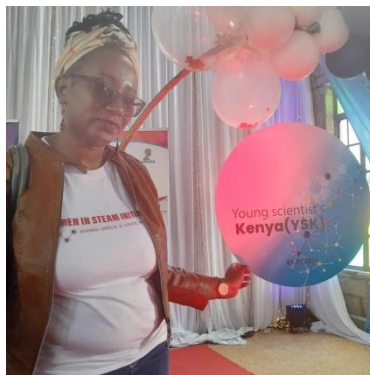
Ann Cathara
 Founder, Ann's
 Maths Club

Logos: IRDAS, ASAE, Women in STEAM Initiative, WISSA, faslearn, NNS, REACH FOR STEM

Young Scientists Kenya's 2024 STEM outreach and mentorship launch

Women in STEAM Initiative were invited to the launch event of the 2024 STEM outreach and mentorship program, an occasion that instilled a passion for STEM for students at Moi Girls High Nairobi on 27th January 2024. The founder and CEO took the chance to empower the girls from different secondary schools and to mentor them on the different STEM careers.

Young Scientists Kenya (YSK) is the premier national science competition in Kenya with a mission to inspire and empower the next generation of young scientists, innovators and entrepreneurs to transform their communities through STEM.



Girls Mentorship sessions

Mentoring girls on the different STEM career pathways and encouraging them to be positive in STEM has been the core mandate of Women in STEAM Initiative and in 2024, 3000 girls from different private and public schools across Kenya received the mentorship physically and had a chance to interact with the team of STEM trainers asking questions relating to STEM and life skills in general.



United Nations Civil Society Conference, Nairobi, Kenya

ASAE, a project of IRDAS in association with the founder of Women in STEAM Initiative, Caroline Nyaga were well represented at two major conferences at the United Nations Office in Nairobi (UNON) exploring the Impact of the Future and with a greater focus on STEM and Gender equality.

Gender Equality Impact Coalition dialogues and focal issues were discussed and the focus on girls was brought out as a core mandate that requires intervention by the United Nations bodies and the member states.



2024 Nominations and Awards

The founder and CEO of Women in STEAM Initiative, Caroline Nyaga was in 2024 nominated and awarded for her impactful work in empowering girls in STEM.

In July, she was nominated by the Business Daily Africa of the Nation Media Group, Kenya among the Top 40 under 40 women where she received an award for her work in STEM for girls.

In September, the founder was nominated by the World Space Week under the category of Space and STEM educators for Climate Awards, USA.

In September, the founder of Women in STEAM was listed among the German Silbersalz Science Festival, Jury for the Science and Media awards Jury 2024.

In October, Women in STEAM initiative founder were featured in the October Edition of the Readers Platform by Larry King, the founder of STEM news Chronicle.

In November, Caroline was nominated/recognized as a Top Entrepreneur and Innovator 2023-2024 by the Global StartupCities Initiative in South Africa.

In 2024, Women in STEAM initiative were featured in national and international conferences and the founder was specially invited as a speaker by UNESCO and the African Union Center for Girls and Women in Africa (AU CIEFFA).

Congratulations to Women in STEAM Initiative for the overall impact!





Caroline Nyaga,
 Vice President of WISTEM Africa,
 Founder/CEO of Women
 STEAM Initiative

Caroline is moving mountains to improve the future of girls and young women in Kenya by empowering them to take up science, technology, engineering and maths (STEM) subjects.

At 35, she is the Vice President of WISTEM Africa, based in Gambia, head of the African Women's Network in Spain, and the visionary behind Women in STEAM initiative.

The mother of three finds purpose in mentoring women and providing them with opportunities to thrive in society.

STEM storytelling Competition

In August 2024, Women in STEAM Initiative initiated the STEM storytelling Competition that would see girls take part in a competition to assess their communication, critical thinking, creativity and confidence skills.

Students share a 5 minute video explaining their high school STEM experiences and what STEM means to them. The competition is only open to girls in secondary schools.

The competition was slated to take place during school holidays in April, August and December. The students are judged against criteria and the winner receives an award and is crowned the STEM queen and the rest of the participants receive a certificate to recognize their efforts.



Pan African Conference on Girls and Women's Education in Africa, Addis Ababa, Ethiopia

Women in STEAM initiative was specially invited to the first Pan African Conference on Girls and Women's education in Africa by the African Union Commission's (AUC) Women, Gender and Youth Directorate (WGYD) at the African Union headquarters in Addis Ababa, Ethiopia in July 2024.

The AUC's WGYD in collaboration with the African Union International Center for the Education of Girls and Women in Africa (AU-CIEFFA) convened under the theme "prioritizing Girls and Women's Education: A strategy for increased access to inclusive, lifelong, quality and relevant learning in Africa".

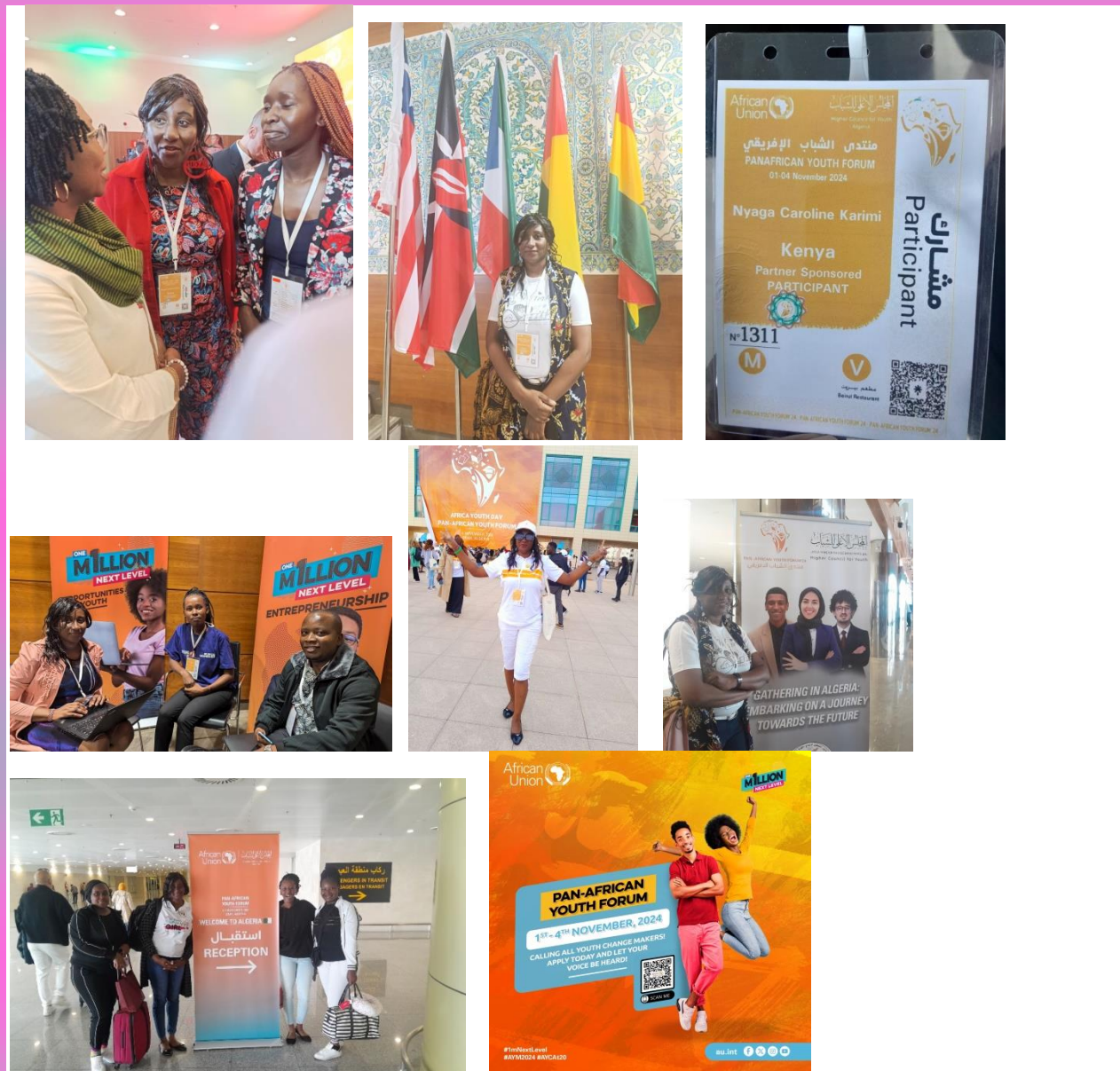
The founder was invited as a Youth Edu Innovator and she had a chance to speak about the work that Women in STEAM Initiative is doing to empower more girls in STEM and digital literacy skills across Kenya.



Pan African Youth Forum, Oran, Algeria

Women in STEAM initiative was invited to participate at the Pan African Youth Forum in Oran, Algeria in November 2024.

This was a chance to engage in enriching discussions, participate in capacity building sessions and network with youth leaders from Africa. It also included the launch of the African Youth Charter at 20 campaign, a focus on Agenda 2063 and the 1 million next level priorities.



Continental conference on transforming STEM in Africa, Addis Ababa, Ethiopia

Women in STEAM initiative was well represented at the Continental STEM conference in Addis Ababa, Ethiopia in November 2024.

The conference organized by the United Nations Educational, Scientific and Cultural organization (UNESCO) in collaboration with the African Union Commission aimed to address the challenges facing STEM in Africa cutting across STEM education, STEM research, Innovation and entrepreneurship in Africa.

The founder was also invited as a speaker under track 2 on Gender Equality and inclusion in and through STEM where she highlighted the work that Women in STEAM initiative is doing in Kenya. Here she also met with UNESCO'S Justine Saas, CEMASTEAM CEO, Jacinta Akatsa, and Ustawi Hubs CEO, Doreen irungu among others.



2024 Partnerships

In 2024, Women in STEAM Initiative made partnerships with different STEM led organizations across Africa all with the mission of empowering girls into STEM career pathways.

From the active participation in the Young Scientists Kenya 2024 STEM launch to a successful training by Tony Elumelu foundation and to the successful launch of a partnership with Ustawi Institute with the idea to empower more women across communities with STEM Entrepreneurship, Innovation and digital literacy. As part of the Alliance STEAM Afrika Education and Wi STEM Africa, we have also worked together to create awareness on STEM careers for girls

In 2025, Women in STEAM Initiative is keen to explore more partnerships that will have an impact in the empowerment of girls and young women with STEM, Digital literacy skills and 21st century skills.



THANK YOU SO MUCH!

Onwards and Upwards

We are happy to have led the way in 2024.... Here's to more work, more impact and greater success onwards.

