



CEMASTE INFO

Newsletter

January - June 2020

CEMASTE ADOPTS THE NEW NORMAL

Message from the Director: The Corona Virus Disease 2019 (COVID-19) has affected educational systems worldwide, leading to the temporary closure of educational institutions to contain its spread. In this regard, the Ministry of Education directed that all SAGAs under the Ministry identify possible implications of COVID-19 to the operations and come up with strategic interventions and inform the Ministry accordingly. Consequently, the Centre for Mathematics, Science, and Technology Education in Africa (CEMASTE) has developed strategic interventions for March to December 2020 and submitted to the Ministry. CEMASTE has not been left behind in curbing the further spread of the virus and has adopted the measures emphasized by the World Health Organization and Ministry of Health, Kenya, in containing and managing the spread of Covid-19, particularly to the officers of the organization. As early as March, Director held a sensitization brief for the staff on crucial containment measures for the COVID-19 pandemic. She emphasized the importance of

officers taking self-responsibility to remain safe and protect others during the pandemic. These included social distancing, washing hands often with soap and water for at least 20 seconds, using alcohol-based hand sanitizers that contain at least 60% alcohol, wearing face masks, avoid touching of eyes, nose, and mouth. To ensure the safety of staff, the Director also allowed officers to work from home if their duties did not require them to be at CEMASTE. The majority of staff have been working from home since the 17th of 2020. Further, for the safety of officers who continue to work at the Centre, management has employed a nurse, procured temperature gun thermometers, and installed hand sanitizers at strategic points, including the daily cleaning and disinfecting of high-touch surfaces. The Centre is optimistic that this crisis will soon be over and a return to normalcy.



Jacinta Akatsa, HSC, Director CEMASTE demonstrates to staff how to greet each other using sign language during a brief on the Basic Prevention Measures against COVID- 19

Mrs. Jacinta L. Akatsa, HSC Director, CEMASTE

EDITORIAL

We are pleased to present to our esteemed clients, stakeholders, and staff this inaugural e-magazine, **CEMASTE A Info Newsletter**. This issue mainly focuses on CEMASTE A response to COVID-19 as well as its participation in seeking solutions for business continuity. The Centre Director Mrs. Jacinta Akatsa, HSC, enumerates her vision for making sure that work continues at the Centre while at the same time keeping everyone safe. Various strategies have been put in place with the highlight being the employment of a stay in nurse and permission for officers to work from home. Different departments also highlight strategies for business continuity. While the majority of the Centre’s training programmes are on face to face basis, COVID-19 offers CEMASTE A the opportunity to strengthen its ICT programmes and shift the model of training to blended, on and off-site using virtual platforms such as Google Classroom and Microsoft Meets. The secondary programme highlights this as the model of training this year. The issues also report on the launching of the CEMASTE A 2020 – 2024 Strategic Plan, where the programmes and implementation strategies for the next five years are enumerated. We also report on other Centre activities such as the induction of interns, participation in forums on COVID 19, school visits, among others. We also have words of encouragement. The editorial team is grateful to members of staff and colleagues at CEMASTE A for contributing articles leading to the production of this issue. We welcome feedback from all the stakeholders. Enjoy your reading. Stay at home and stay safe.

EDITORIAL Team

Editor in Chief

Mrs. Jacinta L. Akatsa, HSC.

Issue: E001

Editors

1. Mr. Thuo Karanja
2. Ms. Ann Jane Mumbi
3. Mr. Dan Orero
4. Ms. Winfred Magu
5. Ms. Sarafina Njeri
6. Ms. Dorothy Nyerere
7. Mr. Phillip Maate

Feedback

Comments and contributions can be sent to the Editor on the below address. Contributions may be edited for clarity, space or legal consideration.

director@cemastea.ac.ke

INSIDE THIS ISSUE

Contents

CEMASTE A ADOPTS THE NEW NORMAL	1
EDITORIAL	2
INSIDE THIS ISSUE	2
CEMASTE A LAUNCHES STRATEGIC PLAN 2020 - 2024.....	3
CEMASTE A SUBMITS VIEWS TO COVID-19 EDUCATION RESPONSE COMMITTEE.....	5
PARTNERSHIPS AND LINKAGES DEPARTMENT INTERVENTIONS DURING COVID-19.....	7
CEMASTE A PARTICIPATES IN DIALOGUE FORUMS DURING COVID-19	8
C O M S T E DA 17 – A HUGE SUCCESS	8
WORDS OF ENCOURAGEMENT	10
SCHOOL VISITS.....	11
CEMASTE A PARTICIPATES IN MY NETWORK CAREER FAIR.....	12
INDUCTION OF INTERNS	12

Contained in the issues are messages on **COVID-19 prevention**

CEMASTEA LAUNCHES STRATEGIC PLAN 2020 - 2024

The Strategic Plan, 2020-2024, is now in place. The Strategic Plan was launched on 17th December 2019, at CEMASTE, Nairobi by Minister for Education, Kenya, Prof. George A.O. Magoha, CBS., who was represented by Dr. Belio R. Kipsang, Principal Secretary, Early Learning, and Basic Education. Present during the launch were Hon. David Mabumba Minister, General Education; Hon Dr. J.C. Muyingo, State Minister for Higher Education, Uganda, and Hon. Nnaniki Wilhemina Mwakwinja, Assistant Minister of Basic Education, Botswana. The Ministers were in Kenya to attend the 17th COMSTEDA Conference. The Strategic Plan captures CEMASTE's accountability statement on strategic objectives the Centre will

opportunities and recommendations of various stakeholders. Besides, the Plan was guided by the strategies outlined in Sessional Paper No. 1 of 2019, The National Education Sub-Sector Plan (NESSP, 2018-2022), and the Kenya Vision 2030 3rd Medium Term Plan (2018-2022). In the 2020-2024 strategic period, CEMASTE will seek to capitalize on its achievements to realize the new Mission "To continuously develop competencies for sustainable development through Science, Technology, Engineering, and Mathematics Education (STEM)." and Vision "Excellent capacity development in STEM education in Africa." The development of the Strategic Plan (2020-2024) took considerable effort, input, and validation by the Management, Staff, Stakeholders, and



Hon. Dr. J.C. Muyingo, State Minister for Higher Education, Uganda handing over the Strategic Plan to Director, CEMASTE. Madam Jacinta Akatsa HSC. Looking on is Director for Secondary Education Paul Kibet, OGW.

implement in the next five years towards fulfilling its mandate. The 2020-2024 Strategic Plan outlines CEMASTE's strategic direction and focuses on enhancing the quality of education in Kenya and the rest of Africa. The drafting process of the New Strategic Plan considered the situational analysis report the implementation of the Strategic Plan (2014-2019), achievements, challenges,

Partners. The Centre's Board of Management acknowledges these efforts. It equally continues to thank the Ministry of Education led by the Cabinet Secretary for continued support to CEMASTE in providing resources to implement this Strategic Plan.

Joseph Mathenge and Thuo Karanja

CEMASTEА TO LEVERAGE ON ICT IN TRAINING OF SECONDARY SCIENCE AND MATHEMATICS TEACHERS

Science and Mathematics are critical enablers for the achievement of the Big 4 Agenda (Manufacturing, Universal Health Care, Food security, and Affordable housing). The Centre for Mathematics Science and Technology Education in Africa (CEMASTEА) contributes to the success of the Big Four by continuously sharpening the pedagogical skills of mathematics and science teachers. This enables them to deliver quality mathematics and science lessons. Social distancing being is one of the critical measures that the Kenyan Government has taken for containment of the COVID-19 pandemic; the regular face to face programmes for all training institutions are currently disrupted, and CEMASTEА is no exception. To mitigate this disruption on its training programmes the Centre for Mathematics Science and Technology Education in Africa (CEMASTEА) has adopted a strategic intervention of taking its training online. The Centre has developed online learning platforms for teachers through Google Classrooms. The Centre has created 12 online classrooms to build teachers' capacities in topics on how to use Google Classrooms to continue delivering curriculum by planning and implement online lessons. This transition is not new as CEMASTEА has since July 2019 been running

ICT training through the Google Classrooms. The purpose of online training is

precisely to strengthen teacher's capacities to enable them to use the same with their learners. The theme of the online training course is *'Developing Innovative Teaching and Learning Activities for Critical Thinking and Problem Solving.'* As the world goes through the current daunting challenges, such skills are relevant both to the teacher and the learner. This training contributes to the realization of Teachers Service Commission's (TSC) policy of continuously equipping and improving teachers' competencies for enhanced learning outcomes in Kenya as well as meeting Kenya Professional Teaching Standards (KePTS) requirements for enhancing teachers' competencies in Pedagogical Content Knowledge (PCK). Currently, the Centre has enrolled over 1,000 teachers who are Key Trainers in the first phase of the training. The second phase will bring on board over 11,000 science and mathematics teachers, where the 1,000 Key Trainers will further strengthen their capacities for online teaching. Each teacher is expected to use the gained skills to open and host Google Classroom for their learners, plan for, and teach an online lesson in the respective subjects. The online approach will open new horizons and opportunities for CEMASTEА in conducting training for our local and regional teachers.

Training Department, CEMASTEА



Sample Google classrooms that CEMASTEА has developed in which participants are enrolled for online training

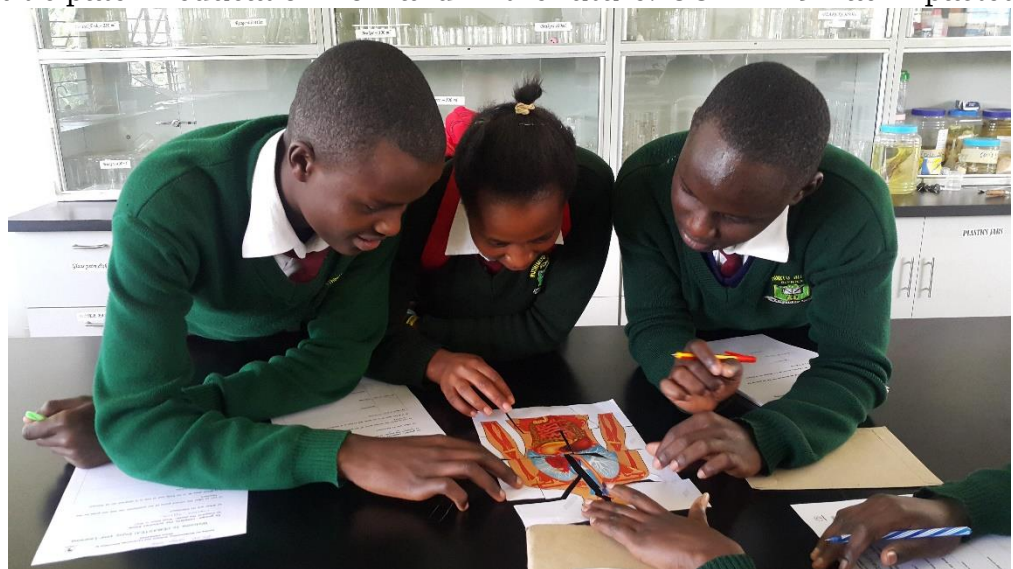
CEMASTEА SUBMITS VIEWS TO COVID-19 EDUCATION RESPONSE COMMITTEE

CEMASTEА submitted its views on the best national response to the COVID19 pandemic in line with the communication and terms of reference of the COVID19 Education Response Committee. The Committee requested CEMASTEА and other stakeholders to make submissions by 22nd May 2020. The views were submitted in a memorandum with a focus on restoring normality in the basic education sub-sector in response to the outbreak of Corona Virus Disease-19 (COVID-19). Director CEMASTEА submitted proposals on several areas. Among these were those regarding the reopening of basic education institutions that are currently closed. Some suggestions made were on review and reorganization of the school calendar that has been disrupted by the closure. Proposals were made on ways of onboarding learners once the schools and other education institutions are reopened. CEMASTEА proposed and recommended on matters for future preparedness such as, learners being familiarized and debriefed on the new situation for them to continue learning effectively and homeschooling using technology which has resulted in some useful lessons learned that could be useful for the future. It is necessary to help children from disadvantaged families to continue to participate in education now and in the future. COVID-19 has impacted

on demand for education by poor households. The impact of COVID-19 on low-income families is cited, and mitigation measures suggested. Such will ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. COVID-19 is highly contagious, and everyone needs to be protected. There is a need to put in place

healthy and safety measures for pupils/students, teachers, and the entire community when institutions reopen. Some of these measures are proposed, including the need for continuous health education and good hygiene practices. Finally, CEMASTEА recognizes that many institutions (including CEMASTEА) are closed and their business continuity adversely affected by COVID-19. While citing how such institutions are affected by COVID-19, our submission made various proposals on possible mitigation and recovery measures. CEMASTEА is optimistic that COVID-19 will be contained, and normality will be restored in the education sector.

Joseph Mathenge, Coordinator, Field services, CEMASTEА

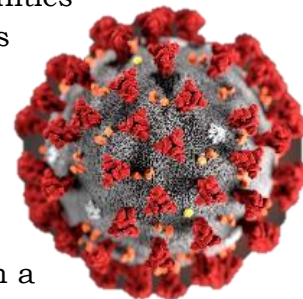


Students performing a group activity in a laboratory. Many learners yearn to go back to school.



EDUCATION CONTINUITY AMID THE COVID 19 CRISIS

COVID -19 is having a devastating impact on global education, with many learners around the world not able to attend school or university. In Kenya, as in many other countries are children out of school due to massive-scale school closures. The situation is catastrophic for underprivileged learners who tend to have fewer educational opportunities beyond school. Some become vulnerable to social, economic vulnerabilities and vices such as child labor, teenage pregnancies, and early marriages for girls and recruitment into truancy groups for boys. Schooling is not just about learning but also for social interactions and learning to be a citizen. Keeping children engaged should, therefore, be the concern to any government. The efforts by governments, schools, and parents to continue learning, reveal that many have never envisaged the possible impact of such a crisis in health to the education subsector. Most ongoing mitigation measures



and disjointed and do not touch base with the contextual realities and plight of the majority of the learners. The education sector is being compelled to utilize available technological tools to offer remote learning. Schools with the technical, fiscal capability, and willing parents are engaging their learners with televised and radio lessons and online classes through platforms such as Google Classroom, Microsoft Meets, and Zoom. While it may sound a form of intimidation to task parents to facilitate home learning for their children, COVID-19 has turned education into everybody's homework, and they must adapt to this 'new normal.' A snag around this solution is that majority of parents in the rural and urban slums are unprepared for homeschooling as most homes are not designed for learning. Most parents have limited education, ICT, and energy resources. At school, teachers would require enhanced capacities and sustained support mechanisms to be able to offer online and off-school continuation of learning and schooling. Moving instructional practices from classrooms to homes could present some human and technical challenges. While my experience as I teach online (COVID-19) biology lessons reveal that learners are excited about the experience, the development of quality online content is not a simple task. Quality and interactive online lessons require time, resources cooperation, and significant investments to develop and operationalize. The good news is that today's learners are techno-savvy and on introduction to the education platforms and gizmos; they easily navigate and make sense of the platforms. As we work towards reducing the possible negative impact of the crisis on learning and schooling, lessons learned will lead to a much more shared understanding of the various digital tools and their capabilities tailored to local contexts and communities.

Thuo Karanja, Teacher of Biology, CEMASTE A.

TUESDAY, 26 TH MAY 2020			
SUBJECT	From	To	ZOOM LINK
BIO I	0900	1030	https://us02web.zoom.us/j/83014446461?pwd=SmQ5O3YVYdlc2ckRQR3daTlIxTGxNdz09 Meeting ID: 830 1444 6461 Password: 504348
CHEM I	1100	1230	https://us02web.zoom.us/j/86106921854?pwd=MGZ0UG5ESm5rVHRDTmN2QXFzZExsUT09 Meeting ID: 861 0692 1854 Password: 785219
MATHS I	1300	1430	https://us02web.zoom.us/j/82261005056?pwd=NEFPukZETG1iS0psNmlwdUJyTDk5Zz09 Meeting ID: 822 6100 5056 Password: 099766

Topic
Biology: Image Formation & Interpretation, Accommodation of the Eye and Defects
Chemistry: Organic Chemistry- Alkenes
Mathematics: Area Approximation

Sample time table for online Zoom Classes organised for learners during the COVID-19 and implemented by STEM teachers across Kenya

PARTNERSHIPS AND LINKAGES DEPARTMENT STRATEGIC INTERVENTIONS DURING COVID-19

The prolonged closure due COVID-19 pandemic has an impact on partnerships and linkages programmes of the Centre owing to its national and international outreach. Similar to other educational institutional programs, the P&L department has considered various mitigation measures. The program is in the process of ensuring continuity of its programs using Digital connectivity, Online learning, Teachers as facilitators, safety online and offline, and Skills focused learning (DOTSS) approach. The partner programs that required face to face interactions such as training of teachers, conferences, meetings, or communications with partners have either been postponed, rescheduled, or are conducted through virtual media. Partner negotiation meetings were held virtually with relevant partners. The Education Development Trust (EDT) funded training programs for teachers were postponed, and negotiations are ongoing to convert the modules to online training resources. The LEGO Foundation-funded project negotiation meetings went on as planned, and the concept note was approved. On the continental scene, CEMASTEА participated in the African Union Commission (AUC) meeting for education experts as well as the Ministers of Education Forum. The communique was shared with all partners and African governments. CEMASTEА, which hosts the Association for Development of Education in Africa (ADEA) Inter-Country Quality Nodes (ICQNs) on Mathematics and Science Education, participated and continues to participate in virtual meetings on the implementation for annual activities. The SMASE-Africa Conference on Mathematics, Science, and Technology Education in Africa (COMSTEDA17) virtual report writing workshop was successful, and the reviewed papers dispatched to paper presenters for revision. The call for papers for COMSTEDA18 was released on 20th April 2020. Several lessons have emerged during this season. The educational institutions that had the foresight to invest in virtual resources, as well as blended learning programs have transited successfully to virtual applications. These are mainly private institutions and or organizations. The partner community is seeking to work with organizations that are ready to mitigate the challenges of COVID-19 lockdown to continue delivering quality programs. The partnerships and linkages department takes this opportunity to transit with likeminded organizations to provide capacity development programs.

Mary W. Sichangi, Coordinator, P & L Department, CEMASTEА



CEMASTEА PARTICIPATES IN DIALOGUE FORUMS DURING COVID-19

#TRANSFORMING EDUCATION SERIES

The Global Peace Foundation in conjunction with the Ministry of Education, CEMASTEА, the Kenya Secondary Schools Heads Association, the Kenya Private Schools Association, Oracle Academy, NCCU, the Standard Media Group, Airtel & other partners invite stakeholders in EDUCATION in Kenya and the region to a **2020 ONLINE MEETING** under the theme:

ENGAGING STUDENTS, TEACHERS & PARENTS DURING THE COVID-19

**THURSDAY
APRIL 30, 2020
3-5PM (EAT)**

Interested participants should send their names, emails and other details on email info@globalpeace.org

ZOOM MEETING ID: 992 8542 7028
PASSWORD: 470588

CEMASTEА has continued to partner with like-minded organizations is discussing possible mitigation measures for the continued realization of quality education. On 30th April 2020, CEMASTEА participated in a virtual forum on Strategic Partnership Dialogue Forum on Transforming Education: Engaging Students, Teachers & Parents during the COVID. The panel discussed strategic contributions to help build peaceful communities through education. Mr. Patrick Kogolla, Coordinator Training, represented the Director in the forum. The forum was a collaborative initiative of various partners, namely, Global Peace Foundation, Ministry of Education – Kenya, CEMASTEА, KESSHA, KPSA, Oracle Academy, NCCU, Standard Media Group, and Airtel. The Center continues in its role to deliver quality education through In-service Education and Training (INSET) of teachers in this critical season by the use of technology. Hon. Stephen M. Njoroge- Education, Gender, Culture and Social Services, Nyandarua County,

and Former Director CEMASTEА was a panelist in the forum. Officers from CEMASTEА who participated in the discussion include Mr. Thuo Karanja, Mr. Paul Waibochi, Mr. Kizito Makoba, and Mrs. Mary Sichangi. The Partnerships and Linkages Department is also spearheading the participation in other critical partnership meetings on delivering education virtually in Africa conducted by UNESCO, Global Peace Foundation (GPF), ADEA, and Association for African Universities (AAU). The second forum on transforming education series on the theme ‘Continuous learning for students and teachers’ happened on 28th May 2020.

Mary Sichangi, Coordinator, P&L department, CEMASTEА

COMSTEDA 17 – A HUGE SUCCESS

The 17th Conference on Mathematics, Science, and Technology Education in Africa COMSTEDA17 and SMASE-Africa Delegates Meeting took place at the Centre for Mathematics, Science, and Technology Education in Africa (CEMASTEА), Nairobi, Kenya, from December 16th – 20th, 2020. The conference theme was, ‘Teacher Professional Development in Africa: Knowledge, Skills, Values, and Attitudes in STEM Learning Environments.’ The conference brought together researchers and practitioners in the education sub-sector; and in particular, STEM education to share evidence-based research outcomes, best and promising classroom practices, and experiences in teaching and learning. The international conference was opened by the Minister of Education, Kenya, Prof. George A.O. Magoha, CBS, represented by the Principal Secretary, Early Learning, and Basic Education Dr. Belio R. Kipsang. The Chief Guest challenged delegates to equip young people with STEM-based skills, to ensure they become innovators and creators of employment opportunities. To increase collaboration in the STEM ecosystem, the Chief Guest called on the need to strengthen regional partnerships with players in the industry, businesses, and employers.



Opening ceremony Chief Guest, Principal Secretary, Early Learning, and Basic Education Dr. Belio R. Kipsang CBS., flanked by other Guests **Right:** Hon. Nnaniki Wilhemina Mwakwinja, Assistant Minister of Basic Education, Botswana, and SMASE Africa President Dr. Benson Banda from Zambia. **Left:** Hon Dr. J.C. Muyingo, State Minister for Higher Education, Uganda; Hon. David Mabumba Minister, General Education, Zambia, F Prof. Doutora Sarifa Fagilde, Vice President, SMASE-Africa among other guests.

resent at the opening ceremony were Hon. Ministers for education from Zambia, Uganda and Botswana (see picture caption above) and other guests. The first keynote speaker, Dr. Muavia Gallie of School Turn around Foundation, South Africa, discussed “*Re-engineering approaches in education systems and schools, Towards Model STEM Schools.*” The second keynote speaker, Prof Genevieve Wanjala, University of Nairobi, discussed “*STEM Education in Africa – Professional Experiences.*” The third keynote speaker, Dr. Purity Ngina of Strathmore University, Kenya, presented, “*STEM Education: Professional experiences.*” The conference attracted 125 research paper and poster presenters and 50 exhibitors and innovators. Paper and poster presenters were from eleven countries in Africa, including Botswana, Kenya, Uganda, Zambia, Rwanda, Nigeria, South Africa, Malawi, Lesotho, Mozambique, and Tanzania. A unique feature of the conference was the participation of students in a demonstration of STEM lessons and in showcasing STEM innovations.

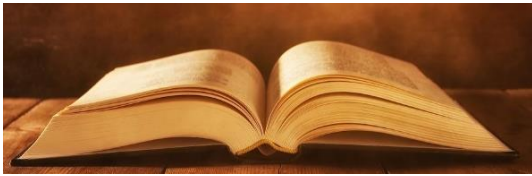
Conference sponsors included the Ministry of Education Kenya through CEMASTEА, SMASE Africa, National Research Fund, and Kenya Commercial bank.



Keynote speakers: Dr. Purity Ngina, Dr. Muavia Gallie and Prof Genevieve Wanjala

The Secretariat takes this opportunity to thank the Organising Committee, partners, and CEMASTEА staff for making the conference a great success. The 2020 COMSTEDA18 will take place in Mozambique, see the poster in this issue.

John Odhiambo & Thuo Karanja, CEMASTEА



WORDS OF ENCOURAGEMENT

Romans 8:28: “And we know that in all things, God works for the good of those who love him, who have been called according to his purpose.” Or, as the KJV translates it, “And we know that all things work together for good to them that love God, to them who are the called according to his purpose.” The promise that God works all things together for good does not mean that all things, taken by themselves, are good. Neither does the promise that God works all things together for good means we will acquire all that we want or desire. God works all things together for good, both His good and our good. Those who trust in God can also trust His goodness, His power, and His will to work out all things for our good and journey together with Him. Some things and events are decidedly bad. But God is able to work them together for good. He sees the big picture; He has a master plan. We are part of His Plan; we can take confidence that no matter our circumstances or environments, God is active and will conclude things according to His good and wise design. With this knowledge, we can learn to be relaxed during these COVID- 19 times.

Brandon Sila, CPA. Finance Officer, CEMASTEAM

COVID-19 Quotes

If we continue treating this disease normally, it will treat us abnormally!

Mutahi Kagwe E.G.H, Cabinet Secretary, Health, Kenya.



The Quran teaches Muslims to see life’s difficult circumstances as a test — they are temporary hardships to strengthen us (2:153-157). In times like this, such as during COVID-19 pandemic, some people will inevitably lose their wealth, income and even their lives. Prophet Muhammad advised the grieving that property lost during tribulations will be considered charity, and those who die as a result of pandemics will be considered martyrs of paradise. I urge all Muslims to show resilience in times of hardship and tribulation, with sufficient strength to make it to the other side intact. God created the universe and continues to govern its affairs actively. This means that the emergence of the virus is an active creation of God. Also, Prophet advised, if a town has a plague (pandemic) and you are in that town do not leave until the plague clears and if you are outside do not enter the town until it clears.

Amina Sharbaidi, Deputy Dean, Biology

Mind Boggling

We hear these COVID19 related words daily in the news. Unscramble them.

rovacrusin; hunaw; mayhoest; fasstaye; danpmice; knowdcol;
fecruw; siovepit; ongasidis; kerbauto; ascemfak; losiontia; ratinquaen;
gaetvien; niashatinzerd.

SCHOOL VISITS

In its commitment to meet the mandate of transforming education through training and making learning fun, CEMASTEIA offers a platform where learners are allowed to visit the Centre. School visits are an essential part of the CEMASTEIA calendar of events as they provide schools both primary and secondary learners and their teachers an opportunity to interact with staff at CEMASTEIA as well as learn during group and individual mathematics and science activities. During the visits, teachers are expected to learn new and innovative pedagogies and resources useful in making their lessons more interactive and creative. Visiting learners and their teachers are taken through the science laboratories, brief lessons, and outdoor activities where they experience the joy of learning as they



Student of Ihithe High School, Nyeri County during a school visit performing an outdoor activity

I really liked the circulatory system. I also liked sticking the parts of the body. I would like to come here again and learn more. This has inspired me to become a surgeon.

Technician

conduct hands-on and discussions as well as reporting. One of the expected outcomes of the visits is to motivate learners to pursue mathematics and science-related courses. Learners are also enlightened on the importance of education for sustainable development through the planting of trees. Students take with them some seedlings back to their schools.

Ann Mumbi and Paul Akoko, Biology Lab



Students with tree seedlings they promised to plant in their school



Students during a practical activity in the laboratories

CEMASTEA PARTICIPATES IN MY NETWORK CAREER FAIR

My NETWORK Career Fair is an annual event to motivate ambitious young people with a thirst for more information to improve their careers. This year's event



ent was held on 17th - 18th January, 2020. About 35 institutions of higher learning exhibited at the event showcasing different opportunities they have for learning as far as careers and opportunities are concerned. Themed discussions on matters focusing on Creative Arts and Sports, Entrepreneurship, Manufacturing, and STEM. CEMASTE A was represented by Mr. David Nyakaru and Madam Njeri Mburu

Dan Orero and Dorothy Nyerere



INDUCTION OF INTERNS

As part of its mission to nature young and new talents, CEMASTE A received eleven interns from the Kenya Public Service Commission (PSC) to train them in their respective fields and be relevant in the employment market after that. On 22nd January 2020, the Director, represented by the Deputy Director, Mrs. Lydia Muriithi, joined by the Human Resource Officers, welcomed the interns in a meeting held at the boardroom. She encouraged all interns to try as much as they could to make a difference in the department they were placed and to always be open-minded, learn to be innovative, and where possible, identify a gap within one's area and offer solutions. Ms. Rose Njuki, the HR advised them on the importance of being good listeners and hold the virtue of humility. She also emphasized on the professional code of dressing. Also, in the meeting was Ms. Ann Mumbi, the Corporate Communication Officer, who underlined the need for accurate communication. She guided them on how to access the Centre's Communication Policy from the website. The interns were grateful for the warm reception given by the Centrer and hoped to have a pleasant working environment in the one year at CEMASTE A.

Sarafina Maina, Intern, Communication Department

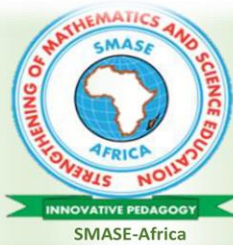
COVID-19 Quotes

We are at war, and we must win; we must make a stand here before COVID-19 starts to spread out of control, and we must be ready to go even further if necessary.

H.E. Uhuru Kenyatta C.G.H, the President of the Republic of Kenya.



Universidade Rovuma,
Mozambique



Announcement & Call for Papers



Nampula, Mozambique

**18th Conference on Mathematics, Science and Technology Education in Africa
[COMSTEDA 18] and Annual SMASE-Africa Delegates Meeting
2nd – 6th NOVEMBER, 2020 IN NAMPULA, MOZAMBIQUE**

**Theme: *Teacher Professional Development in Africa: Knowledge, Skills and
Values in STEM Learning Environments***

ABOUT COMSTEDA

COMSTEDA is a continental platform for educators to share innovative ideas, best practice, and interrogate issues relating to teaching and learning mathematics and science. The aim is to strengthen the capability of youth in Science, Technology,

Engineering and Mathematics (STEM) subjects for 21st century living. It brings together educators, policy makers, researchers, teachers, NGOs, and public / private sector stakeholders to present papers, posters, exhibitions and workshop concepts

ABOUT AUC CESA STEM CLUSTER

The need to enhance Science, Technology, Engineering and Mathematics (STEM) Education in Africa continues to increase aimed at achieving Sustainable Development Goals (SDGs). CESA is AUC's revolutionary approach for implementing

Agenda 2063 & SDG 4 on education. The STEM cluster was launched in 2016 hosted by Kenya with mandate to operationalize CESA Strategic Objective Seven. SMASE-Africa is a member of the cluster. The STEM cluster is co-ordinated by CEMASTE, African Institute for Mathematical Sciences (AIMS) & African Academy of Sciences (AAS).

The cluster serves to consolidate information on STEM education in Africa for peer learning, enhance alignment and harmony to facilitate identification and creation of synergies for efficiency and effectiveness. You are invited to join the STEM cluster & the meeting to be held during COMSTEDA 18 forum.

COMSTEDA18 aims to achieve the following specific objectives

1. Bring together teachers, educators, policy makers and researchers from public and private sectors to interrogate issues, share ideas on promising practices relating to teaching and learning mathematics, science and technology education in Africa
2. Contribute to the improvement of quality education in Africa through sharing of research findings on classroom practices in Mathematics, Science and Technology Education
3. Promote the role of STEM education in socio-economic development in line with the continental education strategy for Africa (CESA, 2016-2025) through policy and practice
4. Create an excellent opportunity for sustainable network of partner and stakeholder organizations.



CONTACTS

Please visit us at our social media platforms and give us your feedback
Centre for Mathematics, Science and Technology Education in Africa
CEMASTE



+254-2044406
+254-70-6722697
+254-78-0797648



director@cemastea.ac.ke
communications@cemastea.ac.ke



www.cemastea.ac.ke



@CemasteaKenya



Cemastea