SUNRISE
VIRTUAL SCHOOL
A Legacy of Excellence

Brief on
Tech-Hub Club

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• imagine • create • share

Tech-Hub Club

Sunrise Virtual School Tech Hub Club is a haven for students passionate about technology, innovation, and digital creativity! It's a place where learners can dive into the exciting world of technology, unleash their creativity potentials, and build the future through hands-on activities and collaborative projects.

We aim to empower students by providing them with the knowledge, tools, and opportunities to become the tech innovators of of the future by fostering a culture of creativity, collaboration, and continuous learning, enabling our learners to excel in the ever-evolving digital landscape.

What we offer;

At the Tech-Hub Club, we offer a wide range of activities that cater to various interests and skills levels focusing on project-based learning, allowing learners to delve deeper into STEM concepts through engaging projects:

Unit One

My Digital World

Sunrise Virtual School has partnered with META to offer My Digital World modules. This unit is designed to empower learners on how to navigate the complex and dynamic digital world by providing essential knowledge, skills, and resources aiming at fostering digital literacy, responsible online behaviours and equip them with the knowledge to think critically about their digital behaviours and wellbeing.

This unit will be covered in two modules

Module: I

Introduction to Digital Learning.

This unit will help learners understand what the internet is, and discover the benefits, roles, and responsibilities of digital citizenship.

Digital Foundations.

This unit will help learners understand how to get connected, use the internet and other platforms effectively and also to protect their data and information (and that of others),as well as their digital devices and assets.

This is an OPT-IN club and only the students that register for it will be included.
To register your student, please contact us with contact information below.

P.O. Box 2145-00200, Nairobi, Kenya

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Module: II

Digital Wellness.

The lessons and activities in this unit help learners explore their identities, engage with others (both individuals and the larger collective) online in empathic, ethical, and positive ways, and counteract the risks the digital world may come with to protect their physical and mental health.

Digital Engagement.

The lessons and activities in this unit will help students interpret cultural and social differences, respond and engage respectfully, and evaluate, create, and share different types of media content. Skills addressed: context, information quality, and media literacy.

Digital Citizenship.

This will help the learners understand their responsibilities when participating in a digital space. Learners will understand how to create a positive online experience and protect their well-being while online. They will acknowledge the contributions of others as content creators and participate in online communities appropriately.

Digital Empowerment.

The lessons and activities in this unit help students participate in public matters and advocate for issues they care about. Skills addressed: civic and political engagement, content production, and law.

Digital Opportunities.

This unit will help students learn the skills they need to fully leverage the opportunities the digital world may offer. This may include the ability to understand and take part in conversations around artificial intelligence, understand and apply computational concepts, engage in data creation, collection, interpretation, and analysis, and navigate economic activities online and offline.

Media Literacy.

The lessons and activities in this unit help learners identify and evaluate the credibility of digital sources (including verifying sources, identifying bias, misinformation, manipulated media and evaluating searches) and able to explain how their online activity and the content they share affects their online identity and reputation. They will know how to raise awareness and/or report suspected misinformation.

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Privacy Module

The lessons and activities in this unit will help learners understand how to protect their individual privacy and how to protect others' privacy and safety. They will learn how personally identifiable information is shared on the internet and understand that they can develop and manage their online reputation and identity by taking important privacy measures

Online Security.

The lessons and activities in this unit help learners to know how to manage the security of their devices, applications and passwords. They will be able to use Security Checkup features to manage their online accounts and will recognize when their own or others' accounts may be compromised and know what steps to take next.

Online Safety and Well-Being

The lessons in this unit help learners familiarise themselves with various tools and tips to safeguard their teen's online experience and explore how to help them positively manage their time online.

Avoiding Scams.

The learners will understand how to spot common scams and fraud, including the warning signs of internet fraud, phishing and other online scams. They will understand the risks of sharing personal identifiable information over unencrypted websites and Wi-Fi hotspots including how to help protect banking information in shopping applications and what precautions to take when completing a transaction in person and know how to safely report a scam or other suspected cyber crimes.

Unit **Two**   Coding Projects

Student will learn how to program with different programming languages such as: Scratch, Python, Jave, JavaScript, HTML/CSS. -This will help them work on real-world projects, build applications and websites from scratch.

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Unit **Three** Physical Computing and Engineering

- This will help equip learners with the knowledge and skills to design, build, and program robots using platforms like Arduino and Raspberry Pi.

- Preparing the learners to Participate in robotics competitions and showcase their creations

Unit **Four** Artificial Intelligence and Machine Learning

- The learners will explore the basics of AI, machine learning and be able to work on projects involving neural networks, data analysis, and more.

Benefits of becoming a member

Develop Problem-Solving Skills:

Coding challenges you to think critically and creatively to find solutions.

Boost Your Logic and Reasoning skills:

Learn the logic behind coding and how to break down complex problems into smaller, manageable steps.

Become Tech-Savvy:

Gain valuable coding skills that are in high demand across various industries across the globe.

Prepare for the Future:

Coding is an essential skill for the 21st century, opening doors to exciting career opportunities worldwide.

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Have Fun!

Coding is a rewarding and enjoyable experience. See your ideas come to life through the power of code!

Boost Confidence and Creativity:

The supportive environment encourages children to take risks, experiment, and showcase their unique ideas.

Build Teamwork Skills:

Collaborate effectively with peers, learn communication skills, and build a strong sense of community.

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Certification:

Earn yourself a certificate of membership and certificate of achievement upon completing our club projects and milestones.