IoT, Big Data and AI: Innovating STEM Teaching Through Strengthening Teacher Professionalisation

**Technical Training Session #3:
"Introduction to ScienceScope's IoT Devices, The Weather Station,
and its Relevance to STEM Learning"**
Monday, 25 October 2021   I   13:30 – 16:00 (CEST)

Join Us at the Technical Training Session:
https://zoom.us/j/437007825?pwd=K2I2QU1FdWFkN3YzWEFwNzMrUjBFUT09
Password: classnet

Introduction

This session will cover the technical aspects of accessing the system and setting it all up. In particular, it will cover Navigation around the web site https://exploratory.sciencescope.uk/, how the site works, the demo version available to all, hardware and software options, the members area and our learning centre.

The Exploratory is a collection of IoT tools, devices, and resources for users around the world across multiple sectors including Education, Industry and Academic Research. Users are able to collect, visualise, analyse and share device data in the cloud with the IoT Exploratory tool

If you have not done so already. Please could everyone register for an account at https://exploratory.sciencescope.uk/register/ . This will be needed to run the session. If you haven't had a chance to register an account then use the following login details

UserName: Guest
Password: GuestAccess2021

About the Speakers & Facilitators

Dr David CRELLIN
CEO & Founder
ScienceScope Ltd

David was educated at the University of Bristol and the University of Cambridge. He has over 30 years of expertise in the EdTech sector, ranging from consultancy, research to entrepreneurship. David holds directorships in EdTech businesses in the UK, South Africa and Singapore. As the founder of ScienceScope, he collaborated with BBC on a nationwide and award winning micro:bit project.

Mr Josh WRIGHT
Software Engineer
ScienceScope Ltd

Josh is currently a Software Engineer at the ScienceScope Limited. He graduated from the University of Bath with BSc Honours in Computing in 2016. He is responsible for the overseeing of the design, implementation, and development of ScienceScope's IoT sensor system (IoT @ School) built on the Microsoft Azure platform. He is also responsible for conducting research in different sensing solutions and how new sensors can be integrated in the ScienceScope system during the product development phase. It includes the design and testing prototypes which could then become a finalised product. Joshua is also specialised in using 3D design software and 3D printers to rapidly prototype the designs and ideas while maintaining the lower cost of development.

Recommended Reading List

1) What is IoT? – a guide to IoT terminology:
    https://www.telenorconnexion.com/iot-insights/what-is-iot-guide/

2) Gartner Glossary on IoT Platforms:
    https://www.gartner.com/en/information-technology/glossary/iot-platforms

3) What is Microsoft Azure?
    https://searchcloudcomputing.techtarget.com/definition/Windows-Azure