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NEXT LEVEL DIGITAL SKILLS CONFERENCE

SPEAKER PROFILE



Scott Giles

Founder & Director of Deftech, The Technology Training Academy, Kiddiengineer and dad to Pepper the Robot

Workshop Synopsis:

"Learn to take conceptual ideas of the fourth industrial revolution and placing them in the hands of our learners to make them come to life. We will be building a solar buggy and embark on other hands-on tasks while unpacking those essential skills our future leaders need to stay ahead of the curve, such as flexibility, creativity, problem solving, communication, time management, team work and critical thinking."

Complex problem solving, critical thinking, creativity, people management, coordinating with others, emotional Intelligence, judgement and decision making, service orientation, negotiation and cognitive flexibility are listed as the top skills needed for 2020 by the World Economic Forum.

Although not every child is going to be a programmer or a robotist or a drone pilot, nearly every future career will be influenced if not directly impacted or run by technology. When it comes to teaching these skills to your students, not only do we embrace coding, robotics and engineering as subjects but all round education, we believe that some of the emphasis should be on doing-to-learn rather than learning-to-do.

During this hands-on afternoon session we learn to take conceptual ideas of the fourth industrial revolution and place them in the hands of our teachers, so they can have the tools they need to get started, the very next day.

You will have the chance to problem solve one of the united nations sustainable goals, Affordable and Clean Energy. Walk away with an easy to teach lesson and edu-toy to demonstrate Clean energy.

And we'll plant some ideas in your head around the other 16 Sustainable goals which you can incorporate in your teaching for the Fourth Industrial Revolution.

PROFILE

I am passionate about my family, my sport and educating our country.

Not satisfied with being in the classroom for the rest of my life, I decided I could do better by influencing classrooms, and so started my entrepreneurial endeavors. Training teachers on the implementation, use and pedagogy of technology, was my first and still is one of my most important goals. By delivering SACE accredited training on all hardware, most softwares and concepts in teaching, such as Flipped Classroom as well as coding, robotics, maker space and now STREAM, the Technology Training Academy is both an offline and online company offering professional development to schools and teachers.

Deftech was born out of the need to bring in affordable but appropriate products to the South African market, Deftech is the distributor of Pepper Robot, littleBits, micro:bits, Tinkerbots, Cubetto and the definitive range of interactive technologies, we are also the driving force behind the Kiddiengineer Program into South Africa. The Kiddiengineer program was born in 2018 to 46 clients and in 2020 we now have over 160 clients, and looks to introduce children to coding, robotics & STREAM. Deftech looks to be the go to company when it comes to robots and educational toys that support the teaching and learning of coding and Robotics.

And in my spare time I travel the country and Africa introducing Pepper to our world, I believe every child has the right to be exposed to technology so that they can decide if it will influence their career choice going further, I also firmly believe that South Africa can be a participant in the fourth industrial revolution and not a late adopter like the previous revolutions.

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