



STEM Academy Workshop “Curiosity Unleashed”

Date : 3 July, 2019

Attended By : Ms. Pooja Sachdeva, Ms. Pratishtha Gupta, Ms. Vaishali Rana

Organised By : CBSE Centre of Excellence, New Delhi at Veda Vyasa DAV Public School, Vikaspuri

Teachers of Science and Computer Science departments of ITL Public School attended a workshop on STEM conducted by Dr .Amitabh Sharma, PhD CEO - STEM Academy of USA and his team members at Veda Vyasa DAV Public School, Vikaspuri. The workshop was attended by around 120 teachers teaching Maths, Science and computer science in various prestigious schools of Delhi region.

STEM- Science, Technology, Engineering and Mathematics (STEM) is an interdisciplinary and integrated approach to learning. It is challenge based hands-on practical education which aims to foster inquiring minds, logical reasoning, and collaboration skills. STEM embodies the future innovative and creative geniuses of India.

The resource person emphasised on how STEM is the need of the hour and is perfectly aligned with government propagated missions like Start-up India, Skilled India, Digital India, Make in India and women empowerment. He elaborated on the importance of pursuing research and innovation geared towards harnessing the creative talent of Indian youth by making Indian education more experiential. The team from Stem Academy, USA introduced to the participants their authentic STEM program aligned with CBSE syllabus and based upon contextual real-world challenges geared towards inculcating innovation and creativity among students.

The participants were actively engaged in various activities like making a cost effective pollution mask, a safety helmet using the principles of Biomimicry, measuring vital capacity of lungs and LDR circuits. These activities were specially designed to challenge young minds in order to solve real world problems.

The teachers enjoyed the workshop thoroughly and brought home the message of the importance hands-on experiential STEM pedagogy in primary and secondary classes in order to bring a positive transformation in Indian education landscape



Words of wisdom by the resource person



Participants engaged in making a model of respiratory system



ITL teachers with the resource person Dr . Amitabh Sharma



Distribution of Certificates by the resource person



Learning the techniques to use LEDs and Diodes as teaching learning material



Workshop in progress



Participants working on the design of effective helmet design