The world is in constant change—so as education. Facts and universal knowledge may have remained as they are but the question lies on how these facts and knowledge are delivered and transferred from the teacher to their multi-faceted learners. Being a 21st century educator is probably the trending buzzword in today’s education. Teaching in the 21st Century has undergone a lot of shifts and trends. This is basically due to the emergence of the “social web” and the huge embrace of technology particularly in the mobile gadgetry in our classrooms. It would be unfair to ignore the huge transformations and their impact to education. Therefore, as a result of these changes, teachers now are required to have digital skills that were not called for before. Nowadays, it is imperative for an educator to adapt their teaching practices to the developing learning needs of their 21st century students in order to give way to effective teaching.

Technology plays a great role in enhancing the teaching and learning experience and better prepare students for higher education and workforce. It has changed the way we treat classroom instructions, research and its methodology. The traditional educational practices in science teaching such as lectures, reading and teacher-led demonstrations are no longer effective and suited for the learners of today. That is the reason why teachers must develop new teaching strategies that are radically different from those employed in the traditional instruction especially in Science. Students today must be prepared for a workforce of jobs that do not exist yet. The amount of information increases by the double every two years, as a result curriculum and textbooks are becoming irrelevant and obsolete. Science teachers of the 21st century need to be experts in teaching the same 21st century skills that they are encouraging their students to excel with. According to J.J. Rousseau (1911), children should not be taught directly but should be allowed to discover things for themselves, especially through play, and that learning how to learn was of much greater importance than teaching factual information.
Today, technology and instruction have been infused together to improve teaching-learning scenarios. Teachers are the keys to how technology is used appropriately and effectively. Nowadays, most teachers in the field have laptops or computers to help them in their tasks in terms of preserving records, encoding documents, computation of grades and browsing the internet for teaching needs and resources. Other teachers enrolled in Post Graduate programs prepare presentations using their computers. However, all of these aforementioned are just the tip of the iceberg. No matter how computers are utilized, one of the greatest things that a 21\textsuperscript{st} Century Science Teacher should know is the ability to win over the challenges of 21\textsuperscript{st} century Science teaching- be it on technology literacy, innovative skills and creativity in delivering 21\textsuperscript{st} century style to multi-faceted learners and even on utilizing institutional support.

Reference: