

THE 21ST CENTURY SKILLS AND SCIENCE TEACHING PEDAGOGY: PROFILE, READINESS, AND BARRIERS

by:

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According to Saavedra & Opfer (2012); Tan et. al (2017), educational system around the world has been substantially affected due to the significant changes in economy, technology and society that should be anticipated to evolve and respond to the learning needs and social futures of 21st century learners. With these changes, educators must make a shift in their pedagogical skills and vary their teaching-learning strategies to align with the 21st century learning needs of the learners. They should foster problem-solving, develop critical thinking skills, build technological, Information and Media fluences and work collaboratively with their colleagues and their learners.

Moreover, the current education should focus on the needs of the learners in achieving their goals to build citizens that are productive in developing and improving the community and to become globally competitive. These needs should adapt the changes that are happening nowadays. Moreover, education should refocus on developing the critical thinking skills of the learners. Developing their critical thinking skills will help them to do innovations that will be use in improving the lives of people in the community. In addition, education should emphasize on the use of different teaching-learning strategies that cater the diversity of the 21st century learners and discarded the use of one or same strategies for all the learners.

Furthermore, education that used Project-based or Research-based for learning. Learning through the creation of projects or research should be introduced by the educators. These educational researches and studies help administrators and educators to know their profile, readiness, and barriers as well as their learners. Knowing the

profile, readiness and barriers of the learners will help educators to adjust their approach in this 21st century. Preparing yourself by attending webinars or in-service training for ICT Integration and the likes, means preparing your students for the 21st century changes. We should prepare our students for the constant changes that will be happening soon as education is constantly changing.

References:

https://www.researchgate.net/publication/349819546_Exploring_the_21st_Century_Skills_and_Science_Teaching_Pedagogy_Profiles_Readiness_and_Barriers