

## E-Learning in Primary Science: Teachers versus Students

**Authors :** Winnie Wing Mui So, Yu Chen

**Abstract :** This study investigated primary school teachers' and students' perceptions of science learning in an e-learning environment. This study used a multiple case study design and involved eight science teachers and their students from four Hong Kong primary schools. The science topics taught included 'season and weather' 'force and movement', 'solar and lunar eclipse' and 'living things and habitats'. Data were collected through lesson observations, interviews with teachers, and interviews with students. Results revealed some differences between the teachers' and the students' perceptions regarding the usefulness of e-learning resources, the organization of student-centred activities, and the impact on engagement and interactions in lessons. The findings have implications for the more effective creation of e-learning environments for science teaching and learning in primary schools.

**Keywords :** e-learning, science education, teacher' and students' perceptions, primary schools

**Conference Title :** ICETE 2018 : International Conference on Education, Teaching and E-learning

**Conference Location :** Tokyo, Japan

**Conference Dates :** March 27-28, 2018