

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Ignition - Primary Space Education (1)

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IMPROVING STEAM EDUCATION WITH DAILY EARTH IMAGING

Abstract

This is an investigation into the positive impacts that daily earth imaging can have on K-12 STEAM education. This investigation also uses a case study on the improvement of design thinking in 5th grade students using satellite imagery of the earth to inspire the creation of meaningful satellites designs. We will go through the market and industry analysis of how daily earth imagery captured by LEO constellations can be packaged into educational modules for K-12 classes. The potential business use cases for major educational publishing companies as well as data platform companies are also investigated.