

# TECHNOLOGIES IN STEM EDUCATION

Václav Černík | Gymnázium Žďár nad Sázavou | Žďár nad Sázavou | Czech Republic

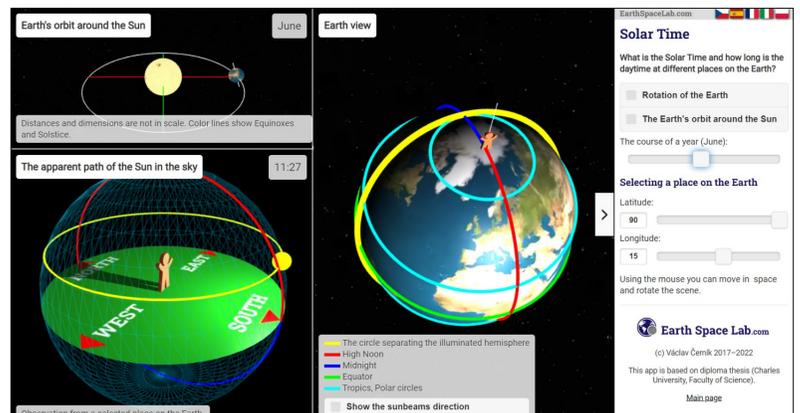
## Earth Space Lab – an interactive learning app

The Earth Space Lab app is designed especially for learning **Physics** and **Geography** – it covers topics like the Earth's orbit around the Sun, the seasons, the solar time, the Moon phases, the eclipses, the tides, the distances in the Solar System. The app consists of individual learning objects – **interactive 3D animations** or an **interactive map**.

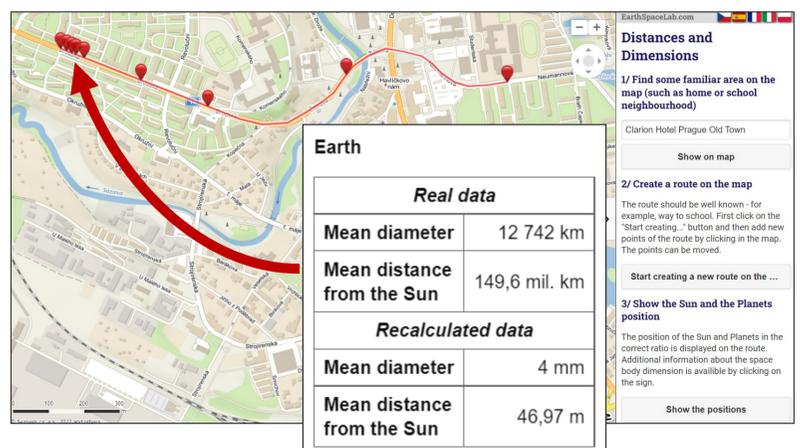


The user of the app is not just an observer, he or she can move the scene in various ways and set parameters – using and playing with the interactive app leads to a better understanding of the topic. Let's look at a couple of examples!

**Solar Time:** What is the solar time and how long is the daytime at different places on the Earth?



**Distances and Dimensions:** Explore this interactive map that presents enormous distances and dimensions in a familiar environment.



Visit the app [www.EarthSpaceLab.com](http://www.EarthSpaceLab.com) and enjoy exploring!