Journey to The Moon

Bengü Bozlar

Turkish National Education Ministry, Mustafa Sarıgül Secondary School, İstanbul, Turkey (bengu.bozlar.1990@gmail.com)

There are many researches that have been conducted about the moon by now. Twelve people had stepped on the moon's surface. Some space crafts are sent to there to investigate about geomorphology, a possible form of life, core structure and atmosphere etc. Some of them were successful in the mission but a few of them couldn't complete the mission mostly because of technical problems. The U.S.A., Russia, China, Japan and the European Space agencies are still going on their observations about the moon. These all researches had been conducted by now published on academic journals, books and other media tools.

Students have knowledge about the moon from science lessons and media tools. But basically, they do not know about how scientists get scientific knowledge about the moon and how these researches are going on. The aim of this poster is making the students researchers about the moon. They scan an area on the moon's surface on digital map (http://quickmap.lroc.asu.edu) through internet connection. Students look over crater's depth and length on the area and generate graphics about data they get. They have prediction about the youngest and the oldest craters and test their predictions on the map. They compare a range of elements in various craters' area. They discuss if they want to investigate the moon by sending a spacecraft on the surface, how they would decide to choose a plain area to land according to the size of their spacecraft.

As a conclusion of this poster, it is expected that students improve their scientific skills by collecting and interpreting data and how to use their conclusions in their aim of research. They have deep and sound knowledge about the moon and have experience about how is like to be a scientist.