



## **Smile, please!**

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Scientific education skills should be learned in school. We must consider that observation of phenomena and analysis of data is very important to scientific studies. Students should develop these abilities to grow in their knowledge.

Our students between 13 and 14 years old are not used to carefully observe what is happening in their environment. If you ask them, everything is in the same place and has the same characteristics everyday. For them the face of the Earth is the same day by day.

To encourage students to observe how their environment is changing, like our face, which changes with any stimulus, I propose that they take photos of the same place every few days. After that, they must analyze the differences over time.

During the learning process, different methodological tools of teaching and learning have been used. A cooperative group works choosing a place and taking photos two or three times a week during the semester. The last trimester they must analyze and collect data about which differences have taken place by nature or human action. After that, an oral presentation is prepared by each group of students. Finally, the students apply their new understanding during a public exhibition at our school in order to teach other students to understand how our earth is continuously changing at the surface.