

## **Vesuvius: an App to explore the geological and naturalistic features of the Mount Vesuvius**

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The project, that I propose, is currently just an idea. I am going to involve next school year all teachers who want to collaborate. A multidisciplinary work will be carried out to implement a software application to know the geological, historical, archaeological and natural features of the Vesuvian area. The aim of this project is to make a Touring Club 4.0 guide.

The APP which will be geo-referenced, will stimulate the curiosity of users and therefore will begin with a storytelling.

A curious boy, who is restless, a dreamer and eager in order to learn new things comes at the foot of red giant, the volcano Vesuvius.

All the information about the history of the Vesuvius volcano will be accessible with a simple click on mobile phones or tablets.

The project aims to lead students to understand the volcanic and seismic phenomena, through the study of the territory where they live. It is proposed to develop in the students skills and objectives such as reading, use, realization of thematic maps of danger and volcanic risk, the recognition of the rocky outcrops and of the different lava flows of the Vesuvian and previous eruptions, the reconstruction of the effusive and explosive activities of the volcano Vesuvius and of Monte Somma.

The main purpose of the activity is to motivate people, and especially the students, to know their territory and to become aware citizens.

The work addresses various topics such as volcanic hazard, risk and vulnerability of Vesuvius. It will offer reflections to gather ideas on alternative plans of evacuation. You will invite students to reflect on the damage that a sudden volcanic eruption could cause in a high density area such as the Vesuvian one.

Furthermore, it is thought to map the paths giving information on their practicability, the difference in height, the difficulty, the travel time, the possible parking areas, the type of equipment to be brought in relation to the period of the year, the accessibility, the type of flora, fauna, rock, soil that are found along the path. The information will be re-elaborated by the students in the form of synthetic cartoons.