

## **ABSTRACT:**

The diploma thesis summarizes the basic data about the geological structure of the wider area of Světlá nad Sázavou, acquaints with the history of granite mining in this territory and deals with the didactic use of the information found in the school and in the field.

Author performing an excursion to the active quarry Horka with pupils of the 6th and 9th year of elementary school. The pupils' current knowledge of geological structures in the vicinity of Světlá nad Sázavou was verified before the excursion and after graduation the levels of knowledge were determined again. We found that it is possible to see if it is possible to carry out an evaluation, to test whether any further information is available. It was prepared for the pupils on a worksheet for a project day. For a closer acquaintance with granite and their suitable mind maps and didactic games, to fulfill materials (crossword, quad, memory, domino).

### **Key words:**

Světlá nad Sázavou, granite, Melechov massif, didactic games, school project