

MINERALS IN YOUR DAILY LIFE: A GAME FOR SCIENCE EDUCATION

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Quality education is one of the Sustainable Development Goals defined in the United Nations 2030 Agenda. **Game-based learning** promotes changes in conceptions about the value of Geology in society, often undervalued and misunderstood by students due to its inherent complexity. In this regard, the **game** is a valuable didactic resource in science education, enhancing the learning of Geosciences. Students show enthusiasm, motivation and actively participate in the activity, learning in a meaningful way. The game also promotes communication, autonomy and peer collaboration.

Aim of the resource - highlight minerals associated with students' everyday objects.

Ground rules

- (1) Form teams.
- (2) Roll the dice.
- (3) Respect the indications of the square on the board.
- (4) When stop at a square on the board with an object, use the clue cards to identify and conquer the mineral associated with it.

The winning group is the one which, at the end of the game, has accumulated the highest number of minerals.



The board game called *Minerals in your daily life*, designed to explore the content Rocks and Minerals, transversal to the sub-themes External Dynamics of the Earth and Geological Sciences and Sustainability of Life on Earth, defined in the curriculum of the Natural Sciences subject of middle school in Portugal (K7).

