

For Teachers

RockCheck

Module 2

Objective: Link rocks to raw materials

Necessities



- **Student Card 2 – Link rocks to raw materials**
- **RockCheck application** (is freely available in the Google Play Store and works on Android devices – mobile phones/tablets)

Procedure

Students will find answers to the questions by searching for the named rock in the Encyclopaedia section of the RockCheck app (under Did you know?).

Conclusions

The use of minerals and rocks has had a tremendous impact on the cultural and technological development of mankind. They are used for many purposes and many of them can be seen in our daily lives. Discuss with the children about the different uses of minerals and rocks and their connection to mineral resources/raw materials.

Questions and answers

1. Sandstone and quartz sand are important raw materials. What do we use quartz sand for? **Glass**
2. Limestone is a very useful rock. We use it for something that helps us get from one floor to another. What is it? **Stairs**
3. What do we use clay for in cosmetics? **Cosmetics powder**
4. Pumice is used a lot for beauty cleaning products. What does it help us get clean? **Soap**
5. Marble is a very beautiful rock. What else, besides famous statues, is made of marble? **Monuments**
6. Pegmatite may contain tin and tungsten. What are tin and tungsten? **Rare minerals**
7. What is a very important mixture used in construction, that is made from marlstone? **Cement**
8. What important chemical element can be obtained from dolomite? **Magnesium**
9. Phyllite can break into slabs because of its structure. What can phyllite slabs be used for? **Floor panels**
10. Diabase is used to make a composite material that we use for road construction. What material is it? **Asphalt**
11. Granite is one of the most widely used rocks in the world. What can it be used for in conjunction with windows? **Window shelves**
12. Gabbro may contain economic amounts of nickel or platinum. What are these materials called? **Rare metals**
13. Diorite is often used in construction in the form of cubes. What do we use them for? **Paving roads**
14. Peridotite is a source rock for a solid form of the element carbon. What is this solid form called? **Diamond**
15. Eclogite has a colourful and attractive appearance. What can we make from it? **Jewellery**