Summary

MineralCheck

Target age

Age 10 and over

Level of difficulty

☒ Easy ☐ Medium ☐ High

Key words:

geology, minerals, mineral properties, active learning, hands-on learning

Abstract of the activity:

Minerals surround us at every turn in our daily lives. Modern society depends on them because minerals are used to construct buildings and smart devices. Minerals are necessary to produce almost every item we use.

How come we do not know minerals better? Learn to correctly describe the mineral using teaching aids and identify it by answering questions in the Mineral Identification Key – MineralCheck and find out what we use it for in everyday life.

Learning Goals

- The student knows basic definitions (crystal, mineral, mineral resources).
- The student uses the correct procedure for describing minerals.
- The student classifies minerals according to their use in a modern society.

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Summary

Specific Abilities

- Remember basic definitions (crystal, mineral, mineral resources).
- List different properties of minerals and connect it to properties of materials.
- Analise different uses of minerals in modern society.

Cross-curricula Links

- Ecology/Environment: i.e., availability of minerals in the environment, importance of protection of natural sites
- Biology: i.e., inorganic versus organic process of crystallisation
- Chemistry: i.e., naturally occurring elements and minerals
- Geography: i.e., properties of minerals and rocks
- Physics: i.e., magnetism, specific gravity
- Technology: i.e., use of minerals in technology

Prerequisites

- No prerequisites knowledge or skills necessary

Time requirement

☒ 1 h and 30 min

Instruments: *a force meter*

Learning and Teaching Support Materials - What you can find in the toolkit

1. Lab Procedure / Module 1
2. Teachers' Card
3. Students' Card 1
4. Ppt presentation for a lesson
5. Supporting material: appendixes 1 - 4

RM Ambassador

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