

Modern devices – Yes, please!

What about mining?

A. Main topics

- Use of raw materials in everyday objects
- Raw materials on the European map
- Circular economy and sustainable development of the company

B. Targeted audience

- 14-19 years old students

C. Key concepts

- Students become aware that everything around us is made of raw materials.
- Students realize that Europe is heavily dependent on global raw material production, even though they can find a lot of deposits of raw materials (and critical raw materials) on the European map.
- Students analyse impact of circular economy strategies on a company.

D. Experimental activity

- Students solve an interactive PDF presentation where they first learn what we use raw materials for, what some objects (can, saltcellar, light bulb...) are made of and whether we can make them from European raw materials. With the acquired knowledge, they try to establish a successful sustainable company through the decision key. They need to do key decisions related to a circular economy that have significant and lasting consequences on the company from a raw materials perspective.

E. Toolkit material

- Computers or tablets
- PDF presentation for teachers (for a short introduction and final discussion)
- PDF for students (exercises and decision key)
- Main mineral deposits of Europe map
- Optional: samples of raw materials and products used in the PDF presentation (for example bauxite, aluminium, aluminium can...).

F. RM Tutors

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