For Teachers **Modern devices – yes please! What about mining?**

Module 1

Objective: How to use interactive students' presentation

Necessities

List of materials/tools

- **Computers or tablets**
- **Interactive students' presentation** (PDF or PPT version)
- **Map of Main mineral deposit of Europe** (printed version on A0 paper)
- **Optional:** samples of raw materials and products used in the interactive presentation (for example bauxite, aluminium, aluminium can…).

Procedure

The interactive presentation is designed in such a way that you can move around only by clicking the buttons and not by scrolling. Point this out to students. At the beginning of the presentation, students do short exercises in which they try to identify which raw material is used to produce some products and try to find these raw material deposits on the map of the Main mineral deposits of Europe. In this part of the presentation, they learn some basic information that they need to use after.

Examples of slides with short exercises.

Following the presentation, they are faced with the challenge of developing a successful, sustainable company for batteries. On some slides they must decide whether to invest their budget or not. On each slide with this decision, students can read more about the topic by clicking on the LEARN MORE button. On some slides, they must choose one of the options, such as where they will buy raw materials or how they will deal with a particular problem. All the time they can see on the right side of the slide how much budget they have already used and for what and how much is left.

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Examples of slides on which students decide.

Gradually they come to the "final" slide and learn whether they were successful or not. The "final" slides are the outcome slides with the number in the blue or green circle and there it is written whether the company was successful or not and the reasons why. Each group needs to remember to write down the number on their final slide (or more if they go through more than once). There are 35 possible "final" slides with a different number and therefore a different path to success or failure. On 6 of these final slides the company succeeds, on others it does not. All 35 final slides are also included in the PPT presentation for lesson and can be used as background for students' presentations and the discussion at the end.

Example of the final slides with the different final number.

Conclusions

Some key points that could be reminded to students or discussed with them:

How many raw materials are needed to make everything we use?

Most raw materials are obtained from outside Europe, although we have many deposits of various raw materials in Europe as well. Why aren't the mines operating there?

How decision affect the company's performance and what leads to the sustainable company?