

Summary

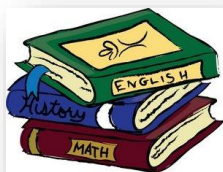
Find the Elements Treasure Hunt



	<p>Target age</p>	
	<p>Age 12 and over</p>	
	<p>Level of difficulty</p>	
	<p><input checked="" type="checkbox"/> Easy <input type="checkbox"/> Medium <input type="checkbox"/> High</p>	
	<p>Key words: <i>Critical raw materials; Electronic devices; Critical metal recovery; WEEE; Circular economy</i></p>	
	<p>Abstract of the activity:</p> <p>Find the Elements is an educational game meant to make players aware of the problems of critical raw materials, electronic wastes revalorization, urban mining and circular economy. This is achieved by learning information about some important chemical elements, mainly critical ones, present in the most common electronic devices.</p> <p>The activity works as a revisiting of the classic treasure hunt. Find the Elements can be played indoors, outdoors or a combination of both.</p>	
	<p>Learning Goals</p> <ul style="list-style-type: none"> • To face new and different kinds of learning • To address new problems from new areas • To handle technological tools 	
	<p>Specific Abilities</p> <ul style="list-style-type: none"> • To turn idea into action • To be flexible and work under pressure • To work and collaborate with other team members • To plan and manage tasks 	

Summary

Cross-curricula Links



- Ecology/Environment
- Biology
- Chemistry
- Physics
- Technology
- Social Sciences
- Economics/Economy

Prerequisites



- Basic knowledge of chemistry and physics

Time requirement



- about 5 hours (learning pathway)
- 30-60 minutes recommended (Find the Elements game)

Other requirements:

- Safety boxes with combination locks
- Chests with key locks
- Stickers for indicating the paths (indoors version)
- Access to internet connection and GPS (outdoors version)

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



1. Instructions to organize the game (Module 1 for Teachers)
2. Informational sheets to use during the game (Module 1 Student's Cards)
3. Extended background information on Rare Earths, WEEE treatment, economics and extraction techniques (Teacher's Card)

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Ambassadors

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