



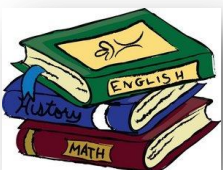

Summary

Who Wants to be a RM ambassador?






	<p>Target age Age 14 to 19</p> <p>Level of difficulty <input type="checkbox"/> Easy <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High</p>
	<p>Key words: <i>Interactive quiz, Mineral Raw Materials, High School Students, Identifying Minerals, Use of Minerals and metals, recycling, circular economy</i></p>
	<p>Abstract of the activity: The Raw Material Ambassador Quiz (RMAq) is an interactive quiz, based on the concept of the successful TV show of the late 90's "Who Wants to be a Millionaire". The RMAq focuses on High School students.</p> <p>The RMAq includes questions of increasing difficulty concerning the origins of minerals, the ways of identifying minerals, the everyday</p>

Summary

	<p>products made by raw materials. The RMAq is divided into three (3) sets of five (5) questions each, for a total of fifteen (15) questions. The student gets ten (10) points for every right answer. Wrong answers have a penalty of three (3) points but the students can try again. The student can choose one of the two help options, 50:50 or help from friends, each having a penalty score (-5 points). The scores of each set are summed up and the type of ambassador based on the answers is announced.</p>
	<p>Learning Goals (<i>max 250 characters</i>)</p> <p>The main Goals of the RMAq are :</p> <ul style="list-style-type: none"> • To provide knowledge in a relaxing and stress free way through an interactive application since it appears as highly amusing educational tool. • To promote and acknowledge the importance of Raw Materials in our lives
	<p>Specific Abilities - <i>At the end of the activity the student will be able to:</i></p> <ul style="list-style-type: none"> • Students will gain confidence, challenge themselves and evaluate the results for themselves. • This quiz enables students to gain knowledge about minerals and their uses.
	<p>Cross-curricula Links- <i>Examples: NO</i></p> <ul style="list-style-type: none"> • Ecology/Environment • Biology • Chemistry: i.e. redox reaction, analytical techniques • Geography • Physics • Technology • Social Sciences : i.e. human conditions, ethics • Economics/Economy • Ethics/Philosophy/Religion • Politics
	<p>Prerequisites - <i>Knowledge and skills necessary for carrying out the activity</i></p> <ul style="list-style-type: none"> • No special skills are required. High-school level knowledge is adequate to play the game. By playing the RMAq students will be able to challenge themselves concerning their level of knowledge about Raw Materials.

Summary

	<p>Time requirement <i>plus eventually other boundary conditions (i.e. Instruments)</i></p> <p>50 min</p> <p>Instruments (eventually): Laptop, Smartphone, Tablet</p>
	<p>Learning and Teaching Support Materials - What you can find in the toolkit</p> <p>After the game the attending students [player(s) & audience], answer a written questionnaire including 3 out of the 15 questions presented in the RMAq.</p>
	<p>Authors -</p> <p>Prof. Maria Perraki, NTUA, maria@metal.ntua.gr</p> <p>Ass. Prof. Paraskevas Tsangaratos, NTUA, ptsag@metal.ntua.gr</p> <p>The development of the game “Who wants to be a R(aw) M(aterial) ambassador?” was carried out by M. Perraki, Professor, and P. Tsangaratos, Assistant Professor. I. Ilias, Dr. Geologist, designed the graphics. A. Kourtis, Dr. Engineer, V. Skiros and D. Psarraki, PhD students, presented the game in the live RM@Schools ESEE student activities (visits to the NTUA Mineralogical Museum gaio-ORAMA, European Student Conference, etc).</p>