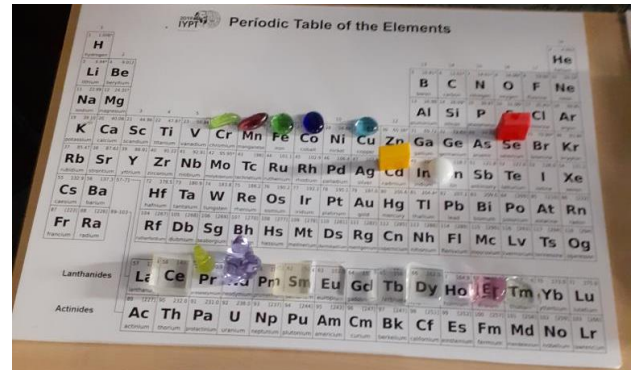


Summary

Glass Raw Materials



	Target age	
	Age 5 and over	
	Level of difficulty	
	<input type="checkbox"/> Easy <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	
	Key words:	
	<i>Glass composition, colourants, luminescence</i>	
	Abstract of the activity:	
	In this toolkit there are presented different raw materials used to produce glass. Glasses with different colours will be used in this lab activity, where the students will try to find which element of the Periodic Table is used to give colour or luminescence to glass.	
	These activities aim to help the students explore the properties and wide variety of applications of glass and learn about the glass composition.	
	This toolkit is very comprehensive, and the activities can be carried out by participants from 5 to 18 years old. The deepening of the concepts inherent to the experiment must be done according to the age of the participants.	
	Learning Goals	
	<ul style="list-style-type: none"> • Raw materials used in glass-making. • Characteristics of glass. • Advantages of the use of glass. • Elements responsible for colour and luminescence. 	

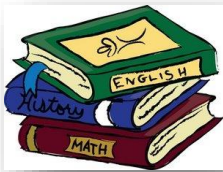
Summary

Specific Abilities



- Identify the different Raw Materials involved in glass making.
- Understand the role of each Raw Material in the formation of glass.
- Identify and distinguish the elements that confer different colours to glass.
- Identify the elements responsible for luminescence in glass.

Cross-curricula Links- *Examples:*



- Ecology/Environment
- Chemistry.
- Physics
- Technology

Prerequisites



- There are no prerequisites for carrying out this activity.

Time requirement



- 1 h 00 min

Summary



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

Examples:

1. Samples of raw materials used in glass-making
2. Samples of several glasses with different colours
3. Periodic table
4. PowerPoint Quiz



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