

Abstract

The submitted work constitutes an elaboration of a thematic unit „Development of nature“ designed for grammar schools in both expert and methodical aspect. Resulting outputs are a web presentation, two short educational films and two elaborated tutorial programmes based on E – U – R model of teaching in the theoretical framework of constructivism.

For better understanding and orientation in the curriculum, the look into the past is divided into four zooms:

- 1) in the scale of billions, it includes the period from the origin of the Earth until the present;
- 2) in the scale of millions, it brings closer the Phanerozoicum;
- 3) in the scale of hundreds of thousands years, it covers the Quaternary era;
- 4) in the scale of thousands, it corresponds to the Holocene.

Elaboration of this thematic unit is tied together with the ongoing school reform. It takes into account the incorporation of Geology educational field into the Framework Education Programme for Grammar Schools and works with key competencies.