Abstract

This thesis presents worksheets for the teaching of the evolution of ecosystems on Earth. A total of seven worksheets cover the evolution from the Precambrian to the end of the Mesozoic Era, while introducing selected phenomena of historical geology in more depth. The exercises in the worksheets are structured to encourage students to think comprehensively about the subject, using logical deduction and knowledge from other school subjects to solve them. Great emphasis has been placed on attractive graphic design of the worksheets and modern pedagogical approaches. The worksheets contain tasks that focus on the developing pupils' key competencies and emphasize their active involvement in learning. In this way, they broaden pupils' ways of thinking. This thesis analyses the feedback obtained during the practical validation of the worksheets in two ninth grade science classes at ZŠ Jana Kubelíka, Neveklov. Based on the teaching process and feedback from pupils, the worksheets were modified into their final form. The worksheets including the author's solution are part of the work. The work also presents a research on the current state of knowledge of the evolution of life on Earth in the range of Precambrian to the end of Mesozoic.