

## CONTEMPORARY LEARNING METHODS IN NATURAL SCIENCES

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### **Abstract:**

Natural sciences are a very specific field for teaching. If we want students to understand the processes and complexed nature of our planet on the micro and macrosub level, we must use a series of active teaching methods.

One of the modern methods of teaching is the integration of information and communication technology into teaching. The Ministry of science, education and sports gives a clear vision that all individuals should be given the possibility of education in an open, creative and sustainable learning environment that supports the innovative use of information and communication technology, because it's one of the key competences of the 21st century.

One of innovative use of ICT is recording educational videos, for example video experiments. Experimentation in itself represents a very active method of work that deepens and strengthens the knowledge and understanding of individual natural processes and facts. Nevertheless, it can be raised to a higher level so that experimentation becomes a minor scientific study of the most appropriate experiment on a particular topic, independent preparation, implementation to actual circumstances of the school lab, recording with the camera and the processing of a video clip into a quality video.

In this way, students are motivated to acquire a series of additional process knowledge of analysis, synthesis and evaluation. We approached the scientific school work at a new angle and lifted learning to an entirely new level, and thus expanded the horizons of our students and escorted them into the future.

*Keywords: ICT, educational videos, video experiments, natural science*