



SCIENCE FOR THE YOUNGEST

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Developing Students Motivation by Means on Entertaining Temperature and Heat experiments.

Increasing students interest to learn science has always been a challenging task for most secondary school teachers. It is wellknown that lots of STEM teachers haven't got enough experimental skills and knowledge for that. And another barrier is difficulties connected with remoted teaching and learning. The project demonstrates some entertaining Chemistry and Physics hands-on experiments with detailed descriptions of how they can be used at the lessons. Some of them such as experiments with a medical mask, Global Warming Experiment, concerning heat and temperature: reefs, volcanoes, crystals - can be easily repeated and have been done with the accessible and low-cost materials.



Endothermic, Exothermic Reactions



Experiments with a medical mask



Plastic snow



Winter experiment with ice



The convention current experiment



Crystals



Booklet

Using experimental demonstrations at the lessons can seriously increase the students motivation to learn a really difficult subjects like Physics and Chemistry, the experiments, elaborated in the project are visual and wonderful and demonstrate the real beauty of STEM disciplines.

Conclusion: The project includes STEM activities that combine different subjects (chemistry, physics). The work resulted in the mastering of new knowledge and abilities at the basis of the certain research problem realization. Experiments can be used as at the STEM lessons and also after them. They give possibility for the teacher to explain the science laws easilier.