

"The challenge laboratory work in the conditions of the restrictions proposed by COVID 19"

**Nevenka Kostova, Hristo Vasilev**

*Sofia Vocational High School "John Atanasov" (Bulgaria)*

## Introduction

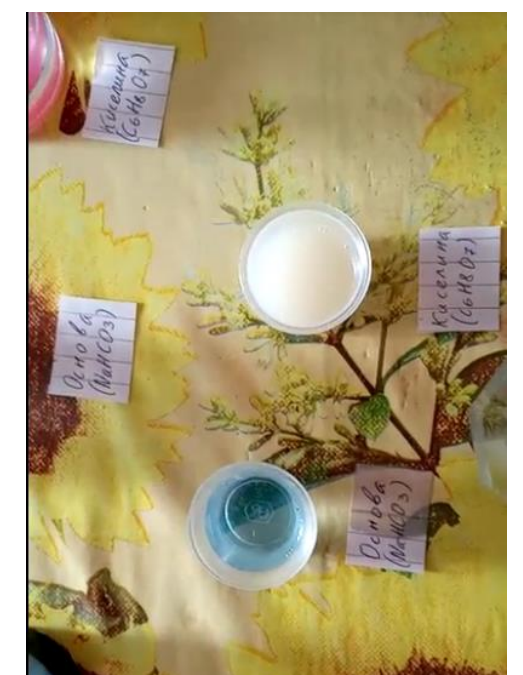
In the conditions of restrictions imposed by COVID-19 in the 2019-2020 school year, an alternative to the laboratory classes at school could be the home science experiments. The home experiment is a simple self-conducted experiment that students perform at home without the immediate guidance of the teacher in the course of the experiment.



This article presents a model for performing home experiments of interdisciplinary nature in the conditions of distance e-learning. The experiments were in the school subject biology and chemistry in regular classes with students from 8th and 9th grade in SPGE "John Atanasov", Sofia.



Students perform experimental tasks at home independently, using the available equipment. One of the advantages of this type of experiment is that when setting tasks, the teacher does not need to take into account the different speed at which students perform them. This allows all students to be given the same task. A special value of this type of activity is that it motivates students and increases their interest in the studied subjects.



## Contacts

Hristo Vasilev – [bateico1995@abv.bg](mailto:bateico1995@abv.bg)  
Nevenka Kostova- [nevy@abv.bg](mailto:nevy@abv.bg)