

#### 4 - Digital Resources for Science Teaching and Learning | Empirical

##### **SP - (15773) - PHYSICS EXPERIMENTS AT HOME. A CASE STUDY IN THE ERA OF COVID-19 QUARANTINE**

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##### **Short Abstract**

*This paper presents a proposal, which was designed and tested during the quarantine period, for 13 years old students in the first grade of the secondary education, in a Greek school. It concerns the use of simple materials for setting up a free fall experiment at home, and the exploitation of the smartphones' application phyphox for taking measurements of time. The paper presents both the findings that emerged from the evaluation of the proposal and the difficulties observed and reported during its implementation. The findings contribute to the conclusion that this proposal is a good practice for individual experimentation of students and can be used not only in an environment of distance education but also as a model for assigning tasks to students during normal periods of teaching in the classroom.*