

ABSTRACT

This Diploma thesis is based on the teaching practice done online. It looks at the possibilities of online teaching of Mathematics and its concepts, and at how to teach Mathematics online well. The aim of the thesis is to compare distance learning in the Czech Republic and chosen countries in the European Union.

The current situation changed in the European schooling and teaching was done remotely since Spring 2020. This thesis takes this situation and looks at three main areas: literature search, where theoretical background is described, summarized data for distance learning in the World, which I got from the internet, and lastly a part where I observed teaching in the given context, both as an observing student and as a teacher. The teaching practice was done in the first year of the lower secondary school, during a focus on the topic of solving equations. The analysis and the reflection of the class are put into the context with the analysis of the topic of solving equations as presented in chosen textbooks both at primary and lower secondary school level.

The thesis also includes a summary of all the reports published during the pandemic by CSI that examined the impact of the pandemic on the teachers, the students, and the parents. The final part of the thesis presents a summary of gained experiences and recommendations that are formulated in the broader context of online teaching.

KEYWORDS

online teaching; school mathematics; grammar school; equation