

Project title: Teachers Training Programme to Support Gifted and Talented Students (GATE) –  
2021-1-LT01-KA220-SCH-000027713

### EXAMPLE OF GOOD PRACTICE

1	<b>Name of good practice</b>	Optimization: how to make everything better or the best
2	<b>Country</b>	Lithuania
3	<b>Where does your good practice originate from?</b>	Teaching in the university, being interested in making math popular
4	<b>Coverage</b>	This practice is aimed at institution which is:  ☐ in the city
5	<b>Activity aim/goals</b>	Very often students at school don't see where they could use math, what to do with it, they learn the ABC not knowing that they will be able to make words out of it. The aim of activity is to introduce students to one of the math practice spheres – optimization, to demonstrate that math can be applied and be useful in real life.
6	<b>Description</b>	During activity students are introduced to optimization concept: what is optimization, what questions it answers to. The kids learn why optimization goals can be complicated and not always solved even while using powerful computers. Students are shortly introduced to the history of optimization origin. While discussing and raising questions the standart of optimization goal is being solved – math model is made, inequality system is solved in graphic way using graphic tool desmos.com. Modelling process is being discussed. Working in groups: every group gets optimization task and has to create and solve a math model.
7	<b>Execution</b>	Targeted group – 10-11 class students. Activity duration – 3 academic hours. Activity can be accomplished both in evident/full-time distant way. Activities: lecture, discussion, work in groups.
8	<b>Resources</b>	Computers, access to the internet for using graphic tool desmos.com, projector.
9	<b>Who executes this good practice?</b>	University lecturers
10	<b>Use and results</b>	Students get acquainted with the math branch which is new for them. They can see the advantage of math and start learning math more willingly.
11	<b>Relevance for Gate project</b>	STEAM method or social emotional teaching were not used in this practice.



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		Critical thinking, creative collaboration, communication, informative literacy are being developed. Inclusive education practice or principles were not applied.
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