## Program

Sunday 23<sup>rd</sup> August

Arrival of the Participants for Teacher's Professional Development

All the sessions/meetings will be held in the room "Učilnica Drago Marija Šijanca" at the ground floor of *St. Stanislav*'s *Institution*, Zavod sv. Stanislava, Štula 23, 1210 Ljubljana, Slovenia – EU.

## Monday 24<sup>th</sup>August

Time	Approx.	Session	Theme	Presenter/Moderator		
8-12	30 min	Presentation	Welcome, Introduction	Tine Golež, Marina Rugelj		
	30 min	Discussion	Participants introduce themselves			
	50 min	Presentation	Calculus; from physics	Tine Golež		
	15 min	Coffee (app. at 9:50)				
	115 min	Presentation	Calculus; from physics [see Wednesday at 14]	Tine Golež		
12-13		Lunch				
13-15:15		Presentation Interdisciplinary teaching involving geometry Marina Ruge		Marina Rugelj		

## Tuesday 25<sup>th</sup> August

Time	Approx.	Session	Theme	Presenter/Moderator		
	45 min	Presentation	Technology, motivation, teaching	Damjan Kobal		
8-12	60 min	Workshop	Hands on simple techno-math ideas	Damjan Kobal		
8-12	15 min	Coffee				
	120 min	Workshop-CL	From real to virtual with GeoGebra	Damjan Kobal		
12-13		Lunch				
	150 min	Presentation,	towards mathematics	Tine Golež		
13-15:30		Workshop				
15:30	Free					

[Some participants wanted to visit World famous Postojna Cave last year ... and we organized an additional excursion. That is the optional excursion paid by participants. The entrance ticket alone is 22,90 EUR. However, we can get a special offer: bus trip, Postojna cave, Postojna castle and dinner – all together for 45 EUR per participants. This excursion can be realised on Thursday (afternoon, 15 - 22).]

# Wednesday 26<sup>th</sup> August: PARALLELE SESSIONS

## **MATH TEACHERS:**

Time	Approx.	Session	Theme	Presenter/Moderator
	60 min	Presentation	Interdisciplinary lessons between mathematics and biology	Marina Rugelj
	60 min	Presentation Interdisciplinary lessons between mathematics and biology		Marina Rugelj
8-12	15 min	Coffee		
	60 min	Workshop	Creating interdisciplinary lessons between math and science	Marina Rugelj
	45 min	workshop	Creating interdisciplinary lessons between math and science	Marina Rugelj

## **PHYSICS TEACHERS:**

Time	Approx.	Session	Theme	Presenter/Moderator
8-12	60 min	Presentation	Advanced physics experiments for A-level students	Tine Golež, Martin Čokl
	60 min	Workshop Advanced physics experiments for A-level students T		Tine Golež, Martin Čokl
	15 min	Coffee		
	60 min	Workshop	Advanced physics experiments for A-level students	Tine Golež, Martin Čokl
	45 min	Workshop	Advanced physics experiments for A-level students	Tine Golež, Martin Čokl

## **ALL TOGETHER:**

Time	Approx.	Session	Theme	Presenter/Moderator	
12-13	Lunch				
13.15-22.00	525 min	525 minExcursion (Workshop)Measurements in real world – field work incorporated into s teaching (tourist) excursion		Tine Golež, Martin Čokl	

Thursday 27<sup>th</sup> August

Time	Approx.	Session	Theme	Presenter/Moderator		
	105 min	Workshop-CL	Learning GeoGebra	Damjan Kobal		
8-12	15 min		Coffee			
0-12	60 min	Workshop-CL	Teaching with GeoGebra or physics experiments	Damjan Kobal / Tine Golež		
	60 min	Workshop-CL	Teaching with GeoGebra or physics experiments	Damjan Kobal / Tine Golež		
12-13		Lunch				
	Presentation	Modelling	Tine Golež	Presentation		
13-14:30		motion				
15 - 22	Excursion – ad libitum [See remark on Tuesday page.]					

## Friday 28<sup>th</sup> August

Time	Approx.	Session	Theme	Presenter/Moderator		
	90 min	90 min	Workshop (by Gregor Pavilč and Tine Golež)	Physics experiments prepared for 2nd and 3rd graders lab-work or Matura Math – state prepared final exam for all secondary school students (Parallele session for physics and math teachers)		
8-12	15 min			Coffee		
	60 min	Presentation	Science and/or common sense		Damjan Kobal	
	40 minDiscussionFinal discussion + evaluation		All			
	35 min	Conclusion and farewell All				