LESSON PLAN
Who is Afraid of Mathematics ?

Category: Maths in Nature

Title of the activity: Weather forecast in the partner schools

Year Group: grade 7a   Teacher: Maszlag Imre

Learning Objectives:

The children will take notes about weather data of the partner countries for 1 week. They will look for information about the temperature and rain on the internet

Success Criteria:

The students can see and understand how different the weather is in the different parts of Europe at the same time and also learn about why it is like that.

Resources:

Notes about the previously collected data, computer and internet use

Lesson Description (including context):

The students make 6 groups of 4 students. Each group chooses a country and they will collect weather data about the 6 countries.

Differentiation:
The groups are formed of students with different competences. Thus the smarter students can help their weaker mates. The groups have discussed the roles of the members in advance. Everyone is responsible for something.

Introduction:
The students work together with their group. The teacher gives the instructions for the lessons. They have learned about these countries in Geography lessons earlier. Then they arrange the collected data into charts.

Main Lesson:

- The students have collected weather data about the countries, they checek the temperature 5 times a day in the capitals, at 6 am, 9 am, 12.00, 3 pm and 6 pm.
- Students work together in groups at the computer and start to make charts about daily and weekly average temperatures.
- They search for the capitals's geographical situation on the map.
- With the help of the teacher, they also make a comparative chart of the 6 capitals.
- The students also make a powerpoint presentation about the charts. There are more than 20 charts by the end of the project work.
- Evaluating their work. Discussing difficulties during the task. Not only the teacher but the students also tell their opinions about their work.

Plenary:
There was a good opportunity for students to improve their geography competences about investigating different weather data and also could reach a higher level of their ICT skills.

Teachers: Maszlag Imre

PHOTOS

Nap / Day	Óra / Hour	Stockholm É.sz. 59°, K.h. 18° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Riga É.sz. 57°, K.h. 24° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Varsó (Warsaw) É.sz. 52°, K.h. 21° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Budapest É.sz. 47,5°, K.h. 19° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Róma (Rome) É.sz. 42°, K.h. 12,5° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Athén (Athens) É.sz. 38°, K.h. 23,5° — Hőmérséklet (°C)	Napi középhőmérséklet (°C)	Heti középhőmérséklet (°C)	Csapadék (mm)	Óra / Hour	Nap / Day
2019.02.11 hétfő (Monday)	6h	-2	-0,2		0	1	2,4		0	2	4,8		4	4	4,4		1	5	8,6		0	8	13,0		0	6h	2019.02.11 hétfő (Monday)
	9h	0				3				4				8				8				13				9h	
	12h	2				4				8				13				13				19				12h	
	15h	1				3				7				6				10				16				15h	
	18h	-2				1				2				2				7				9				18h	
2019.02.12 kedd (Tuesday)	6h	-3	-1,0		0	-1	0,4		0	-2	0,8		1	1	3,2		0	3	8,6		0	3	11,6		4	6h	2019.02.12 kedd (Tuesday)
	9h	-1				0				1				3				10				11				9h	
	12h	1				2				3				6				14				16				12h	
	15h	0				1				2				4				10				12				15h	
	18h	-2				0				0				2				6				10				18h	
2019.02.13 szerda (Wednesday)	6h	-2	2,4		0	-3	0,0		0	-2	1,2		1	0	2,6		0	2	7,2		0	6	8,8		3	6h	2019.02.13 szerda (Wednesday)
	9h	3				0				1				2				8				9				9h	
	12h	8				3				5				6				13				12				12h	
	15h	3				0				3				4				10				10				15h	
	18h	0				-1				-1				2				3				6				18h	
2019.02.14 csütörtök (Thursday)	6h	-2	1,8	1,9	0	-1	3,0	1,5	0	1	4,4	3,6	0	1	5,8	4,2	0	2	9,4	8,9	0	6	8,0	9,0	1	6h	2019.02.14 csütörtök (Thursday)
	9h	4				4				4				7				9				9				9h	
	12h	7				8				8				12				16				10				12h	
	15h	3				4				7				7				13				8				15h	
	18h	-1				0				3				2				7				7				18h	
2019.02.15 péntek (Friday)	6h	0	3,6		0	0	3,0		0	2	5,2		0	1	4,8		0	5	10,4		0	5	7,0		3	6h	2019.02.15 péntek (Friday)
	9h	4				3				5				6				10				7				9h	
	12h	8				6				9				11				17				9				12h	
	15h	5				3				7				6				13				8				15h	
	18h	1				2				3				0				7				6				18h	
2019.02.16 szombat (Saturday)	6h	1	4,6		0	-1	0,4		0	-1	3,6		0	-3	4,4		0	3	8,8		0	5	6,6		0	6h	2019.02.16 szombat (Saturday)
	9h	4				0				3				2				8				7				9h	
	12h	10				2				8				11				15				8				12h	
	15h	6				1				6				9				11				7				15h	
	18h	0				0				2				3				6				6				18h	
2019.02.17 vasárnap (Sunday)	6h	1	1,8		0	-3	1,0		0	1	5,4		0	-1	4,2		0	2	9,2		0	4	8,0		0	6h	2019.02.17 vasárnap (Sunday)
	9h	2				0				6				4				9				6				9h	
	12h	4				5				10				11				16				12				12h	
	15h	2				3				7				6				12				10				15h	
	18h	0				0				3				1				7				6				18h	
					0				**0**				**6**				**1**				**0**				**11**		

A fővárosok napi középhőmérséklete 2019.02.11-én (°C) — Daily average temperature of the capitals

- 1 Stockholm: -0,2
- 2 Riga: 2,4
- 3 Varsó (Warsaw): 4,8
- 4 Budapest: 4,4
- 5 Róma (Rome): 8,6
- 6 Athén (Athens): 13,0