



LESSON PLAN

Who is Afraid of Mathematics?

Category:

Title of the activity: Math in business.

Price comparison in Partner school countries.

Year Group: 5

Teacher: Līga Bužere

Learning Objectives:

To practice basic skills of pupils' research work.

To develop the ability to select information, collect and analyze obtained data, draw out conclusions.

To promote collaboration skills.

To provide a cross-curricular link and to bring real life into the classroom.

Success Criteria:

Students are able to find information on the internet, analyze it and make conclusions.

Pupils are able convert local currency to Euro and check it using a currency calculator.

Good cooperation working in small groups, pupils distribute responsibilities and respect other views.

Resources:

Computer or mobile phone with internet connection.

Printed materials.

Pens, pencils.

Calculator.

A4 office paper.

Currency Exchange Rates Calculator <https://www.bank.lv/statistika/valutu-kursi/aktualie>

<https://www.numbeo.com/cost-of-living/>

Poster– euro in European countries for each group.

Real money from Sweden, Hungary, Poland.

A4 Handout 1 A puzzle Countries and currency

A4 Handout 2 A table Prices in different countries, conclusions.

Lesson Description (including context):

Students, working in small groups, find out information about costs of living in partner school's countries on the internet in sections: Restaurants, Markets, Everyday life, Clothing. Children make notes, analyze data, make calculations, draw out conclusions.

Differentiation:

Students with weaker mathematical knowledge can skip the currency calculation section and, instead of it, directly use currency exchange calculator.

To avoid misunderstandings, before setting the activity, teacher should check with students the currency exchange rate on the current day.

As activity is integrated in English lesson, students communicate in English, native language is used only in exception situations.

Introduction:

Activity was implemented on May 9th in European day .

Teacher discusses with students about advantages being a part of European union, about geography, languages and currency in other European countries, paying the main attention to our partner school countries.

In a class deliberate what are +/- using a single currency in many countries, why some countries use local currency, what kind of currency is used in partner school countries. Teacher demonstrates money what is used in Hungary, Sweden, Poland.

Students fill in a puzzle about partner school countries and currency. (Handout 1)

Students in groups of 4 look at the poster -Euro in different countries, find out differences in coins, choose the favourite ones, discuss their ideas why this country had chosen such a reverse of the coin.

Main Lesson:

- Students work in groups to find out information about one of the sections: Restaurants, Markets, Everyday life, Clothing on the internet webpage <https://www.numbeo.com/cost-of-living/> They fix prices for 4-6 items in each of the countries
 - All the dates are fixed in the table (Handout 2 provided by teacher)
- Students convert currency for Hungary, Poland, Sweden, using calculator, check it <https://www.bank.lv/statistika/valutu-kursi/aktualie> and write price in Euro
- Pupils compare the prices, draw out conclusions and present them to the classmates in a freely chosen manner– using drawings, charts, telling.

Plenary:

Activity keeps students active all the time but it is better to organize them in small groups (4 and less).

Students showed surprisingly good knowledge about currency in other European countries and high willingness to participate.

With older students the comparison could be continued considering average salary in the country.

Teachers: Līga Bužere

PHOTOS

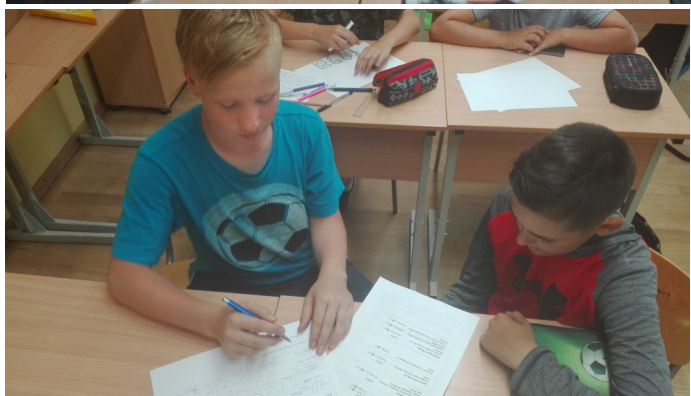
Handout 1

2018.05.8.

Countries and currency

Countries and currency

K A P C A U Z M N C U H R S U B C Z Y T	Vārdu sakābe
Y T D Y B S E A S X X M K E Y S Q X K V	CURRENCY
Z C Z L R P F Y J H M R J U I L Y K J H	EURO
B F B H K A V D E A O Z P R Q Z R O L L	FORINT
E E A Q C V G V Y N T V J O K I B A A W	GREECE
X R K I H U F N A L Q V U T S R S O D M	HUNGARY
E P D L U Z A K U W P M T K Y K D S C S	ITALY
P Q P U U L R B N H J P I P N P M H W Z	KRONA
A Z S B B A Z J G R E E C E G D D E I L	LATVIA
U U Y G Z A S C M I B S G X O B D Q L O	POLAND
L C P C P O L A N D T Y O L C E A K L T	SWEDEN
E F W N N H D R R Q M A X K N D W D S Y	ZLOTY
P M M B F E G C U T M Y L B E U C A E F	
P F L N L N R J O N P F W Y F V S G O	
P N A O T U B R L T G O E S L T H B A R	
I E T Z L N O A U G Z V F Z B D V C O I	
T N V W H F K B W C Q O C R V J X J O N	
M V I Y N D I A J Q Q L P K F C P V I T	
M A A X K J A X G G Y W J V O C D S S U	
D D I Y T T I H U D E A B C J M B W Z S	



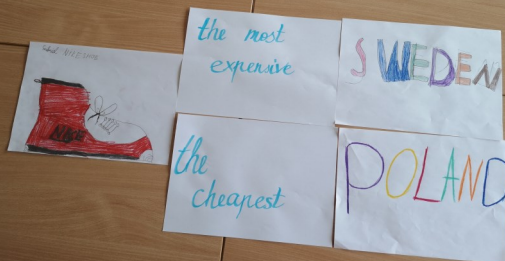
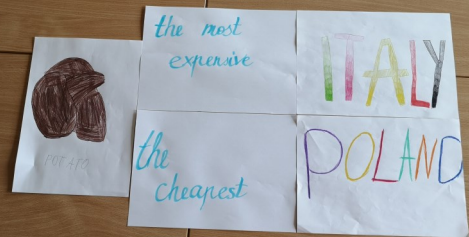
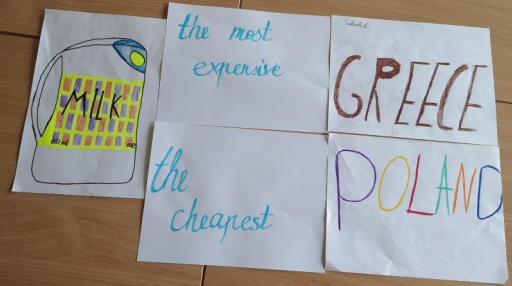
Market

	Greece	Latvia	Italy	Sweden	Poland	Hungary
Milk	1.16 €	0.93 €	1.12 €	1.05 €	1.03 €	2.38 zł
Eggs	2.89 €	1.58 €	2.50 €	2.47 zł	2.50 €	7.14 zł
Water	0.79 €	0.63 €	0.38 €	1.13 zł	1.19 €	1.79 zł
Potato	0.75 €	0.46 €	1.18 €	1.59 zł	0.94 €	1.66 zł
Banana	1.47 €	1.34 €	1.67 €	2.15 zł	2.07 €	4.79 zł
onion	0.75 €	0.43 €	1.18 €	1.53 zł	1.03 €	1.99 zł

Cheapest onion is in Latvia. Most expensive onion is in Italy.

Conclusions (the cheapest, the most expensive etc...)

Cheapest milk is in Poland. Most expensive milk is in Greece.
 Cheapest eggs are in Hungary. Most expensive eggs are Greece.
 Cheapest water is in Hungary. Most expensive water is in Sweden.
 Cheapest potato is in Italy. Most expensive potato is in Poland.
 Cheapest banana is in Poland. Most expensive banana is in Sweden.



Every day life

	Greece	Latvia	Italy	Sweden SEK	Poland PLN	Hungary HUF
Apartment	142.81 €	41.49 €	45.29 €	649.30 €	686.05 zł	42,020.99 Ft
Cinema	34.30 €	7.00 €	8.00 €	125.00 €	12.21 zł	105.73 Ft
Fitness club	31.23 €	34.00 €	46.15 €	509.72 €	39.21 zł	10,414.34 Ft

Conclusions (the cheapest, the most expensive etc...)

Cinema
 cheapest - Hungary
 most expensive - Sweden

Apartment

cheapest - Sweden
 most expensive - Latvia

Fitness club
 cheapest - Poland
 most expensive - Italy

