

Code of Mystery

eTwinning projekt

2022/2023



130 studentů

16-18 let

Česká republika

Francouzská Guyana

Chorvatsko

Portugalsko

Slovensko

Španělsko

Turecko/Ankara

Turecko/Kirikkale



Nevin
Bilgiçli



Monika
Polanská



Gabriela
Svobodová



Pinar
Tozman



Magali
Kervennic



José Manuel
Pulido



Miguela
Fernandes



Ivana
Imbrija

Code of Mystery

Monika Polanská + 66 • 1 rok



Code of Mystery - project work in teams (PADLET 2)

Discuss with team members in your team column. Share information, partial results, your opinion, recommendations, etc.

The SHERLOCK HOLMES team

TRk.Nevin (Consultant teacher)



codeofmystery.blogspot.com

The Sherlock Holmes's team

The Dr. JOHN WATSON team

sk.monika (team consultant)



codeofmystery.blogspot.com

The Dr. John Watson's team

The MISS MARPLE team

cz Gabi (team c



codeofmystery.blogspot.com

The Miss Marple's team

Made with :Padlet

Suspect in Czech Republic

Posters 3

Interactive Map (Ciphered Clues-3)

National team works - 3 (Decipher Videos)

Keep writing the Story - 3 (Students' Discussions)

Part 3 Complete

INTERNATIONAL TEAMS

International Teams

The Sherlock Holmes's team

The Dr. John Watson's team

The Miss Marple's team

The Hercule Poirot's team

Task 5) Create a poster that reflect your team. (One team member (volunteer) can create a poster for the whole team.)

September 2022	Preparations	→
October 2022	Introduction	→
November 2022	Suspect the Türkiye	→
December 2022	Suspect in the Slovakia	→
January 2023	Suspect in the Czech Republic	→
February 2023	International Team Works	→
March 2023	solve the story & Escape Game	→
April 2023	Common unique cipher method	→
May 2023	Evaluations & Final products	→

SCHEDULE
Introduction September 2022
Part 1 Detective game October 2022 - February 2023
Part 2 Own code March 2023 - April 2023
Final May 2023

Harmonogram

C
Í
L
E

Zvyšování motivace
žáků k výuce
matematiky

Rozvíjení schopnosti
řešit problémy a
kritického a logického
myšlení

Zlepšení schopnosti
používat anglický jazyk

Rozvíjení dovedností
žáků pro 21. století

Rozvoj kreativity,
zkušenosti
s interdisciplinární
projektovou výukou

Představení platformy
eTwinning a našeho
projektu ostatním
kolegům a studentům

Zlepšení komunikačních
dovedností a kulturní
výměny žáků
s vrstevníky



Predstaveni
se

TEACHERS

- 1) Should be in constant communication
- 2) Should actively participate in the project works
- 3) Should definitely attend the monthly evaluations on time (Because depending on the conditions, monthly work plans will become clear)
- 4) Should follow announcements and answer to the messages as soon as possible
- 5) Should register the students on time
- 6) Should inform students about their participation
- 7) Should inform students about ratings beginning. And should warn those who did
- 8) Should follow the forum and the tea
- 9) Should not create a page without ledge and should help keep the tea
- 10) Should contact with founders in the situations. We are always ready to help

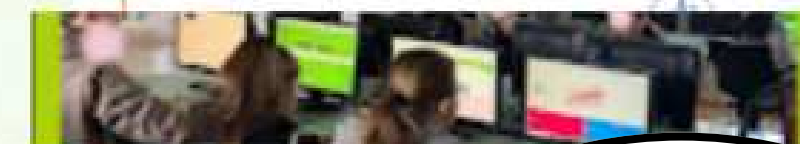


FOUNDER TEACHERS

- 1) Should organize the monthly evaluations
- 2) Should announce the finalized monthly work plans
- 3) Should follow the active participation of the members
- 4) Should provide detailed information
- 5) Should provide the creation and layout
- 6) Should be in constant communication help with problems.

STUDENTS

- 1) Should behave in accordance with the netiquette and e-security rules.
- 2) Should get help from their teachers in every subject that is not understood
- 3) Should follow events and attend on time
- 4) Should follow and participate in the forum titles opened for students
- 5) Should communicate actively with their peers through the forum about countries, cultures, educational curricula, etc.
- 6) Should convey their wishes, requests and suggestions to the teachers and founders without hesitation



Projektová
pravidla,
netiketa,
copyright,

...

At 50 degrees and 51 minutes north latitude,
and 4 degrees and 21 minutes east longitude,
something unusual happened here.



Come on, help the police...

Days later...

it became clear that the white dust had emitted
from the abandoned house. The secret of the dust
could not be solved, but people in the region
started coughing and getting sick as they breathed.



První část projektu



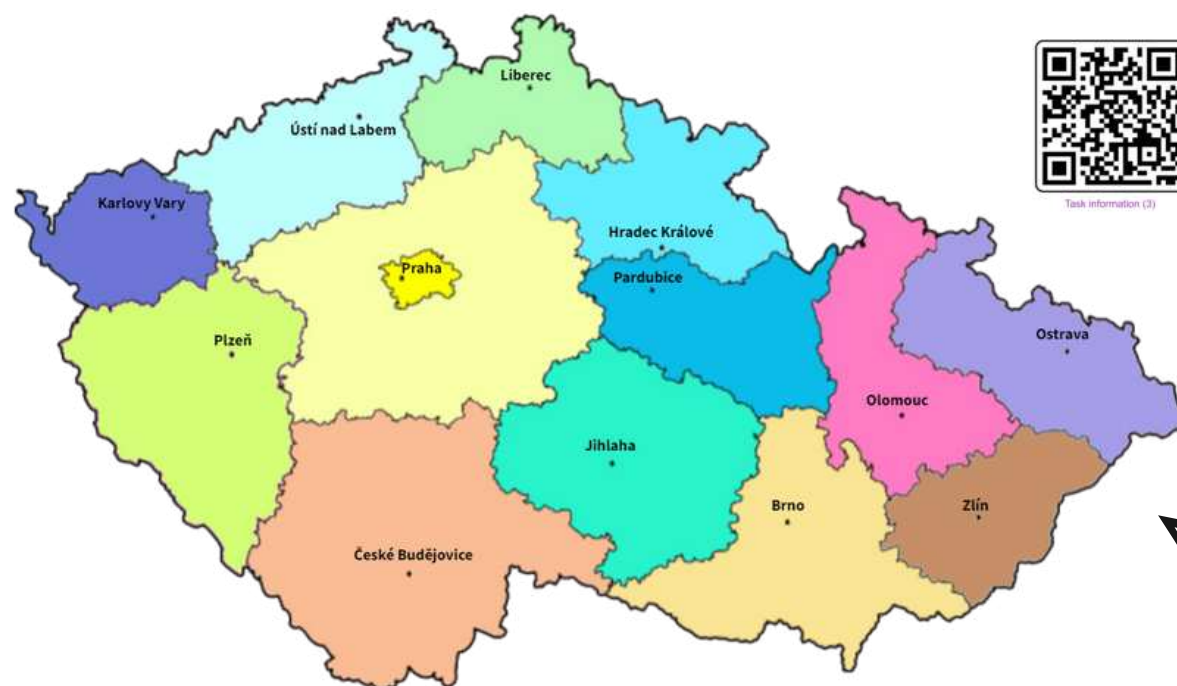
Část 1 – Turecko



Část 2 – Slovensko



Část 3 – Česká republika



CODE OF MYSTERY

Část 1

Sledování podezřelého a dešifrování indicií
v Turecku

Turecký kryptologický tým ze střední školy z Kirikkale



Podzřelý je hledán v Turecku

CLUE LED US TO ISTANBUL



HAGIA SOPHIA
The (5, 3) opens the locks
MDHRD PVAMRDP QVKUM GDURUZSX NVVKSRODUX RP LT PMVX PRYX

WE DECIPHERED THE TEXT

CIPHERTEXT	Plaintext	
D A	Ciphertext	M D H R D P V A M R D P Q V K U M
I B	Plaintext	H A G I A ## S O P H I A S ## N O R T H
N C		
S D	Ciphertext	G D U R U Z S X N V V K S R Q D U X
X E	Plaintext	L A T I T U D E C O O R D I N A T E
C F		
H G	Ciphertext	R P L T P M V X P R Y X
M H	Plaintext	I S ## M Y ## S H O E ### S I Z E
R I		

HAGIA SOPHIA'S
NORTH LATITUDE
COORDINATE IS
MY SHOE SIZE

SUSPECT IN
TURKEY
Wanted



THE SUSPECT
IS IN TURKEY



OUR TEAM SET OUT TO SOLVE



Affine Cipher

Plaintext	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
x	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
5x + 3	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	83	88	93	98
(5x + 3) mod 26	3	8	13	18	23	2	7	12	17	22	1	6	11	16	21	0	5	10	15	20
CIPHERTEXT	D	I	N	S	X	C	H	M	R	W	B	G	L	Q	V	A	F	K	P	U

WE HAVE THE SOLUTION!

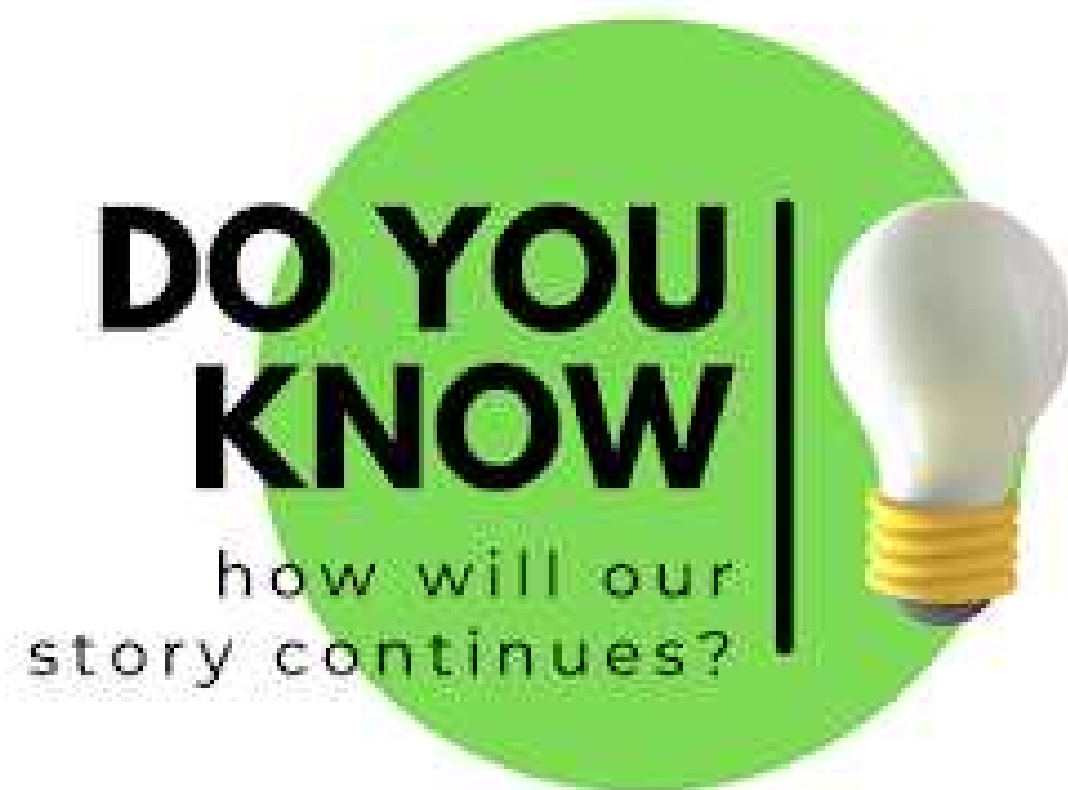


41°0'30.48"N

SIZE OF
SHOES

41

Podzřelý je hledán v Turecku



Write comments or answer

YOU CAN CHANGE IT

cz_Aneta December 1, 2022 at 2:11 PM

I think it's some psychopath but he knew how not to get caught. I don't think he will not go by train but by plane.

cz Vojta

I think he lies, he just wants to lead everyone somewhere else and stay in turkey.

cz Kristýna

The suspect may like to travel, so maybe he will go to other countries.

Reply

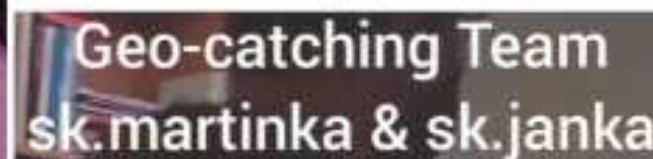
SPA: The suspect after he experiment with the radioactive elements, didn't clean his/her clothes well, and he kept in touch with radiation. The radiation turned him/her into a superhero who uses the power for flying to a country and keep working in his/her experiment.

CODE OF MYSTERY

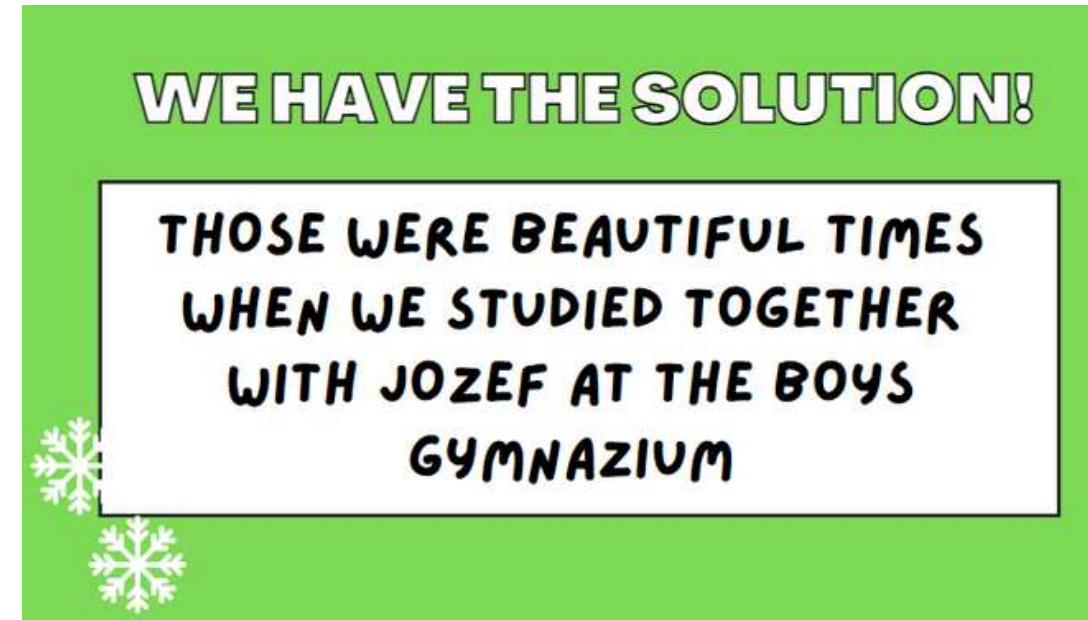
Část 2

Sledování podezřelého a dešifrování indicií
na Slovensku

Slovenský kryptologický tým z Obchodní akademie ve Staré Lubovni



Podzreľý je hľadaný na Slovensku



CLUE LED US TO SPIŠSKÁ BELÁ

-JZUGQ-SQDB-HQEMJCTHL-JCQGE-
-SZQR-SQ-GJHNCQN-JUWQJZQD-SCJZ-
-FUBGT-EJ-JZQ-HUYG-WYOREGCMD-



CODE OF MYSTERY

Část 3

Sledování podezřelého a dešifrování indicií
v České republice



*Český speciální
kryptologický
tým*



CZECH SPECIAL TEAM 1

THERMAL
BATHS



CZECH SPECIAL TEAM 6

SALON



CZECH SPECIAL TEAM 4

MINES



CZECH SPECIAL TEAM 2

THE RIVER
VLTAVA



CZECH SPECIAL TEAM 3

RACE
HORSES



CZECH SPECIAL TEAM 5

PLANES



CZECH SPECIAL TEAM 7

**SOUTH
BOHEMIA**





Transpoziciční šifra – jednoduchá sloupcová transpozice podle klíče

PLAINTEXT:

THIS IS THE CODE FOR JANUARY ACTIVITIES
ORGANIZED BY THE CZECH REPUBLIC

Šifrovaný text rozdělíme a zapíšeme do
skupin po 5 znacích + konečná skupina.

CIPHERTEXT:

IDNTS ZEEXT HORIG BEBSE UIOEC PXICJ AINTH
ISOAC EIHRC HERYT AYCLT FAVRD ZUX

M	Y	S	T	E	R	Y
2	6	4	5	1	3	7
T	H	I	S	I	S	T
H	E	C	O	D	E	F
O	R	J	A	N	U	A
R	Y	A	C	T	I	V
I	T	I	E	S	O	R
G	A	N	I	Z	E	D
B	Y	T	H	E	C	Z
E	C	H	R	E	P	U
B	L	I	C	X	X	X

CTEKY TGAIS NEETX HMEVD AAEGA
KNYCN TIHSN EHNAI CIMIO EARNM
LSBAM AEMAX LEIHH HODNI DDDIX

TSNYM SEEHT RACFI EATOE HDTAE
FRSST IITOO OSWMH MOLHF LRTRF
THYEE MISFK ETBRE EETOR

Práce v mezinárodních týmech



Code of mystery
LISTEN TO THE STORY
eTwinning project, 2022/2023

POLICE CATALOG

of wanted persons



CODE OF MYSTERY
eTwinning project
2022/2023



CODE OF MYSTERY
police record of the wanted person

THOMAS WAGNER
Wanted by EUROPOL

WHO TO CONTACT
Special international cryptology team "Code of Mystery"

family name
WAGNER

forename
THOMAS

gender
male

date of birth
13/08/1985

nationality
AUSTRIAN

SPECIAL sign
He wears glasses to cover the scars on his face. He has a horse and musical note tattoo on his hand.



FAMILY BACKGROUND AND FRIENDS
He was born in Austria. His father is from Dresden. His Mother is from Viyana. He has a brother and a sister. He has good relations with his siblings.

EDUCATIONAL
Graduated from chemical technologies departments. He has certificates in the field of cryptology and mathematical sciences.

DESCRIPTION OF THE PERSON

Hobbies/ Likes
He likes to solve mathematical puzzles. She reads detective novels. He is interested in art and history.

Phobias/ Dislikes
He hates swimming, traveling by ship, and getting wet in the rain.

Used Vehicles
If possible, he prefers walking, running, and cycling, if not, he prefers cars, motorcycles, and planes.

Special Properties
He always carries in his pocket the love letter he wrote to Gabriela in 2003. A tall man with size 41 shoes. My E-mail address in the past was P.Maximilian@gmail.

14

THE SHERLOCK HOLMES TEAM

THE DR. JOHN WATSON TEAM

THE MISS MARPLE TEAM

THE HERCULE POIROT TEAM

THE PHILIP MARLOWE TEAM

THE COLUMBO TEAM

THE INSPECTOR CLOUSEAU TEAM

THE INSPEKTOR MORSE TEAM



MISS MARPLE
INTERNATIONAL CRYPTOLOGY TEAM

Code of Mystery
eTwinning Project

2022/2023
Let's solve the story...



Have you seen the truth?
10101110001111
KYTCLDQAOFDHKAL



MESSAGE FROM THOMAS WAGNER



OUR OWN CODE TABLE																										
PLAINTEXT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
CIPHERTEXT	V	J	F	Z	Y	X	W	U	T	S	R	Q	P	O	M	N	L	K	I	H	G	E	D	C	B	A

CZECH TEAM

TÜRKİYE/KIRIKKALE TEAM CIPHER ALPHABET																										
Plain Alphabet	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Cipher Alphabet	I	H	K	L	M	N	J	D	E	A	B	C	G	F	X	Y	Z	V	W	U	T	O	P	Q	R	S

OWN CODE ALPHABET / TÜRKİYE - ANKARA

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
C	A	F	N	K	J	R	S	T	O	V	W	X	Y	U	Z	B	D	E	G	H	I	L	M	P	Q

SPANISH TEAM ENCRYPTION METHOD

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
U	R	S	T	A	V	W	X	E	Y	Z	Q	P	N	I	M	L	B	C	D	O	F	G	H	J	K

SLOVAK OWN CODE

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
A	C	D	F	E	G	H	J	I	K	L	M	N	P	O	Q	R	S	T	V	U	W	X	Z	Y	B

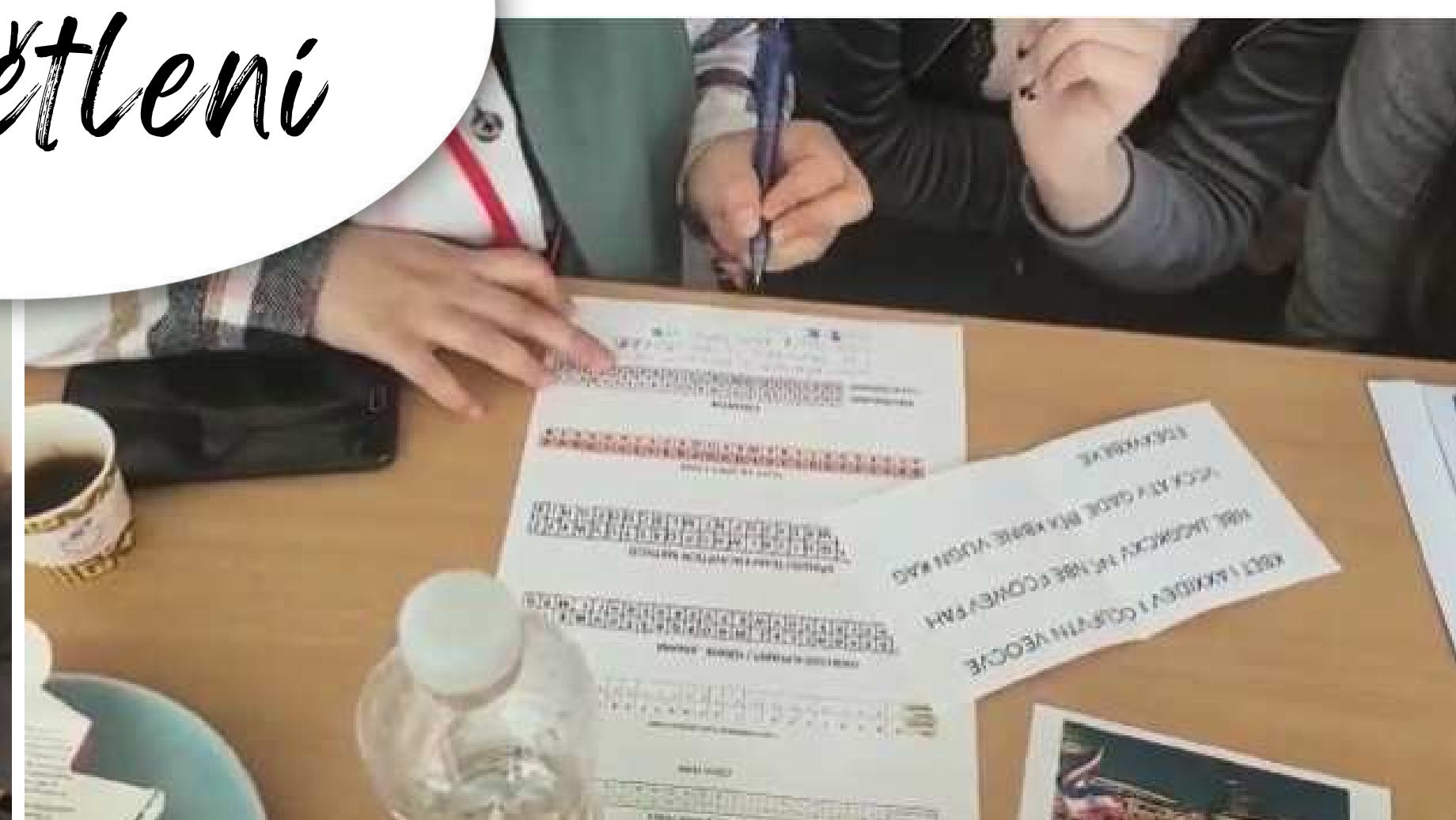
CROATIA

PlainAlphabet:	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
CipherAlphabet:	A	H	O	V	E	L	S	B	I	P	W	F	M	T	C	J	Q	X	G	N	U	D	K	R	Y	Z





Rozluštění vysvětlení







eTwinning projekt
CODE OF MYSTERY



Greetings from project partners



Team Czech Republic,
Thank you for everything you've done for the project.
Even though the project has ended, we hope that this is not the end and that we'll be able to work together again in the future.
Hope to hear from you soon!
Team Croatia



HELLO, WE ARE STRIVING
TO LEARN THROUGH
HARD WORK AND IT WAS
INSPIRING AND
MOTIVATING TO FIND
SOLUTIONS.



Gratias - Gr19 Maisons créoles
38276A-02 LA POSTE
3x10GD WHOP DGG
11-05-23, PR FRANCE
LW ZDY LQWHVWLG5
DAG DPDELQ5 WZ ZRUM
WA3HWI HV
It's easy method. You have to replace
the letter by a other which is shifted
by 3 letters before it (without counting the base letter) ex: H = K



Greetings from
Türkiye/ Kırkkale



Rozloučení s projektem

Dear students, you can
write your thoughts
and last words
about our project
here...



CM

cz Maria in reply to **Nevin Bilgili**
1 year ago

Hello everyone, I really enjoyed working with you. The project was very interesting. Thank you for your cooperation.)

CA

cz Alex in reply to **Nevin Bilgili**
1 year ago

Greetings everyone, I enjoyed this year's eTwinning. Especially the Prague trip. It was my pleasure working with you people. Good luck and stay safe.

LB

Lana I in reply to **Nevin Bilgili**
1 year ago

Hello everyone,

I enjoyed this project very much and all the fun things we got to do. Through teamwork we solved a lot of puzzles and we searched for clues. The cyphers were fun to solve and it was great to see all the other students creativity.

CV

cz Vojta in reply to **Nevin Bilgili**
1 year ago

What's up everyone,

this project was great and brought me some experiences.
Have a great life all of you.

CV

cz Viky in reply to **Nevin Bilgili**
1 year ago

Hello everyone, so this is the end nothing can last forever, but i really love this.
Thank you, very much for this opportunity.

Výsledky projektu

Dosažení
stanovených
cílů

Vícestupňová
šifrovací
metoda

Online
vzdělávací
úniková hra

Výstupy projektu

Blog projektu

Karty mezinárodních týmů

Závěrečný plakát

Kolekce plakátů k etapám
TR, SK, CZ

Závěrečná e-kniha

Závěrečná výstava

Jedinečná CZ šifrovací metoda

Společná uniková hra

Videokolekce
TR, SK, CZ

Závěrečné video

Spírka unikátních šifrovacích metod národních týmů

Společná šifrovací metoda



Děkuji za pozornost

Mgr. Gabriela Svobodová
SOSLP Praha 9



Code of Mystery



eTwinning