

KOČKAČI

# Our vision and mission

Learn more  
about us



# OUR VISION

Bringing Slovak education into the  
21st century.

KGGCKAČI

# MISION

- Raising awareness of how to utilize the possibilities that today's world offers
- Transforming mobile phones into tools of learning.
- Changing the school assessment system to emphasize real skills and abilities over memorization.
- Preparing Slovak education to respond to changes in the IT sector that are happening more frequently than ever before.



# OUR ACTIVITIES

# OUR ACTIVITIES



01

## Competitions

Innovative competitions like "Kockáč of the Year" and "Kockáč Junior" that test the use of internet and AI.



02

## Free Online Tutoring

Interactive peer-to-peer tutoring sessions led by student tutors, open to anyone interested in learning something new.



03

## Workshops for Seniors

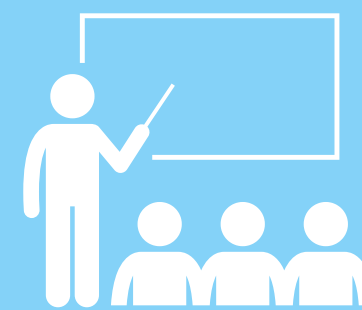
Free workshops on digital security to protect seniors from online fraud, teaching them practical online skills.



04

## Workshops in Schools

Pilot testing in schools in our region on topics like cybersecurity, civic participation, and working with AI and digital tools.



05

## Workshops for Teachers\*

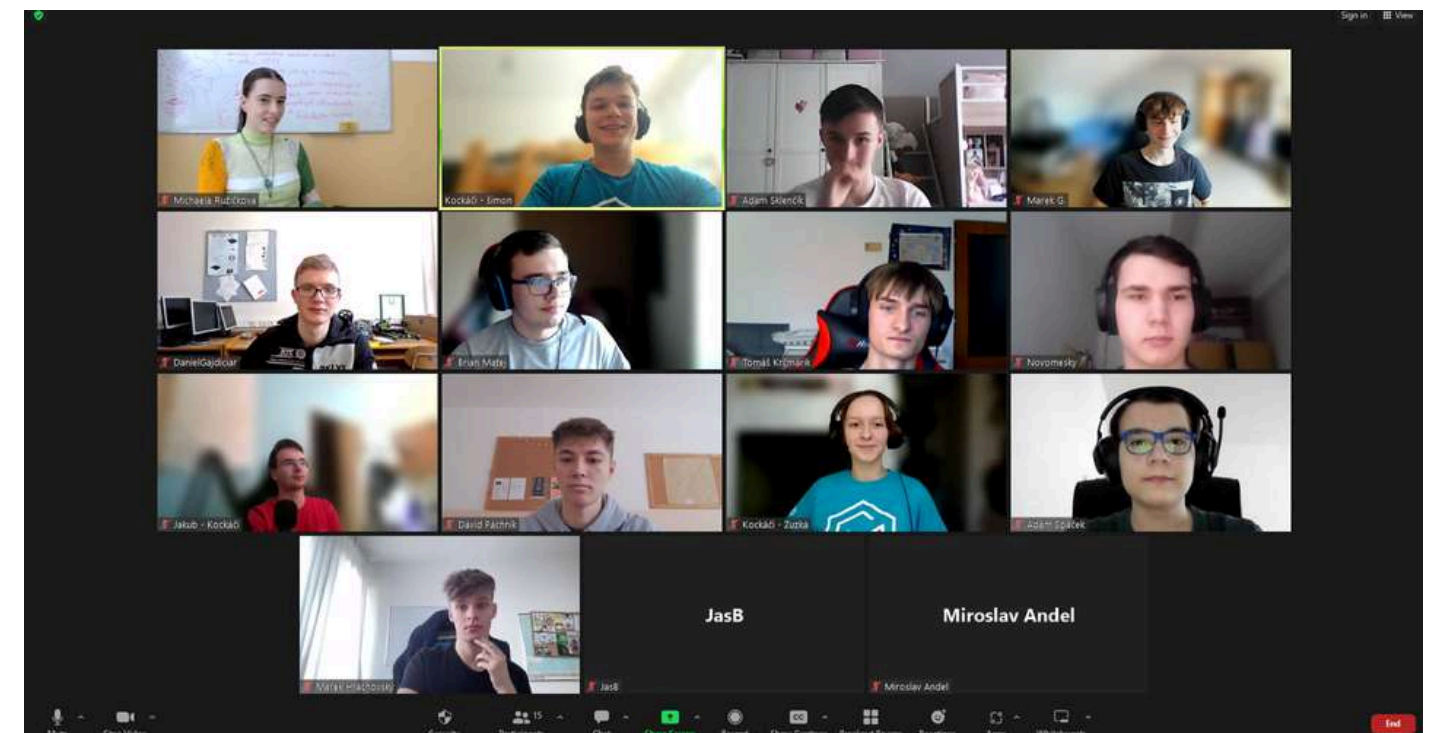
Aimed at integrating AI tools into the educational process, helping teachers understand and utilize modern technologies

\*This project is currently in preparation

# KOCKÁČ ROKA + KOCKÁČ JUNIOR

- We aim to reward elementary and high school students who excel in IT skills.
- Innovative competitions "Kockáč of the Year" and "Kockáč Junior" that test work with digital technologies.
- Only competitions of their kind in Slovakia, testing internet and AI skills, not just memorized knowledge like other competitions.
- Motivating contestants with valuable prizes like laptops, PlayStation 5, mobile phones, etc.

# KOCKÁČ ROKA + KOCKÁČ JUNIOR



# HOW OUR COMPETITIONS HELP US MOVE TOWARDS OUR VISION

- Competitions motivate students to try new digital tools for solving tasks
- They are an excellent opportunity to show schools that digital skills should be among the basic skills of students
- Through competitions, we can reward the best students and support the development of their talent.



# TAKE A LOOK AT OUR COMPETITION FINALS



## Kockáč roka 2023

Dňa 13. 12. 2023 sa uskutočnilo **1. kolo online súťaže Kockáč roka 2023**, do ktorej sa zapojilo 8 žiakov našej školy z ročníkov 8 a 9 v kategórii Junior 8. a 9. ročník ZŠ. Ide o súťaž, ktorá hľadá nadaných študentov, ktorí excelujú v oblasti digitálnej gramotnosti. Je to inovatívna súťaž, ktorá je plná meniacej sa technológie a digitálnych výziev, kombinuje kreativitu a inovácie vo svete technológie, umenia a programovania. Žiaci dokázali, že digitálne technológie nie sú pre nich neznámy pojem a dokážu pracovať s informáciami a nástrojmi umelej inteligencie.



## Kockáč roka 2023/24

Súťaž "Kockáč roka" je jedinečným podujatím, ktoré sa zameriava na rozvoj digitálnych zručností a kritického myslenia medzi študentami na základných a stredných školách. Je organizovaná občianskym združením Kockáči. Súťaž prebieha v troch súťažných kolách. Prvé a druhé kolo prebieha online.

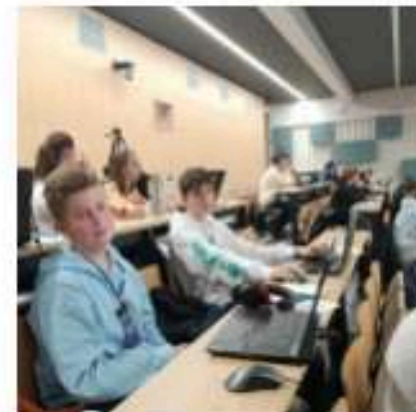
Prvé kolo pozostáva z 15 otázok a úloh zameraných na prácu s umelou inteligenciou, dátami, vyhľadávačom a ďalšími internetovými nástrojmi. Do 2. kola postupuje 81 najlepších súťažiacich.

Druhé kolo je zamerané najmä na kreatívne úlohy, ktoré hodnotí porota určená organizátorom. Podľa výsledkov druhého kola sa vyberie 27 súťažiacich, ktorí vstúpia do 3. finálového kola súťaže, ktoré už prebieha prezenčne.

Tretie kolo sa konalo 19.1.2024, na Fakulte MFI Univerzity Komenského, kde našu školu reprezentovali dvaja študenti – **Marek Grebáč** a **Rudolf Košút**.

V kategórii SŠ 3. a 4. ročník v konečnom hodnotení obsadil Rudolf Košút 17 miesto. Marekovi Grebáčovi tesne uniklo pódiové umiestnenie a napokon skončil na veľmi peknom 4. mieste.

Gratulujeme a ďakujem.



## Informatická súťaž – Kockáč roka

Kockáč roka je inovatívna informatická súťaž, ktorá je kombináciou kreativity a inovácií vo svete technológie, umelej inteligencie a programovania. Naši žiaci – V. Valent z 8.A a D. Kováč z 8.B sa po 2 kolách prebojovali až do celoslovenského finále. Na Fakulte matematiky, fyziky a informatiky Univerzity Komenského v Bratislave si v teoretickej a praktickej časti zmerali sily s ďalšími 81 finalistami, z celkového počtu 850 súťažiacich z celého Slovenska. V. Valent sa umiestnil na 17. mieste a D. Kováč na 24. mieste. Súťaž im priniesla veľa zábavy, informácií, no najmä skúseností a zážitkov.

PaedDr. A. Hangaiová (učiteľka informatiky)

[19. január 2023]





# 9 OUT OF 10

Participants left the competition completely satisfied.



*"It was a pleasure to participate, I will definitely come back next year as a fourth-year high school student. I like that there is finally an olympiad/competition that deals with modern world technologies and not just some part like programming or graphics. The whole thing tests more specific skills."*

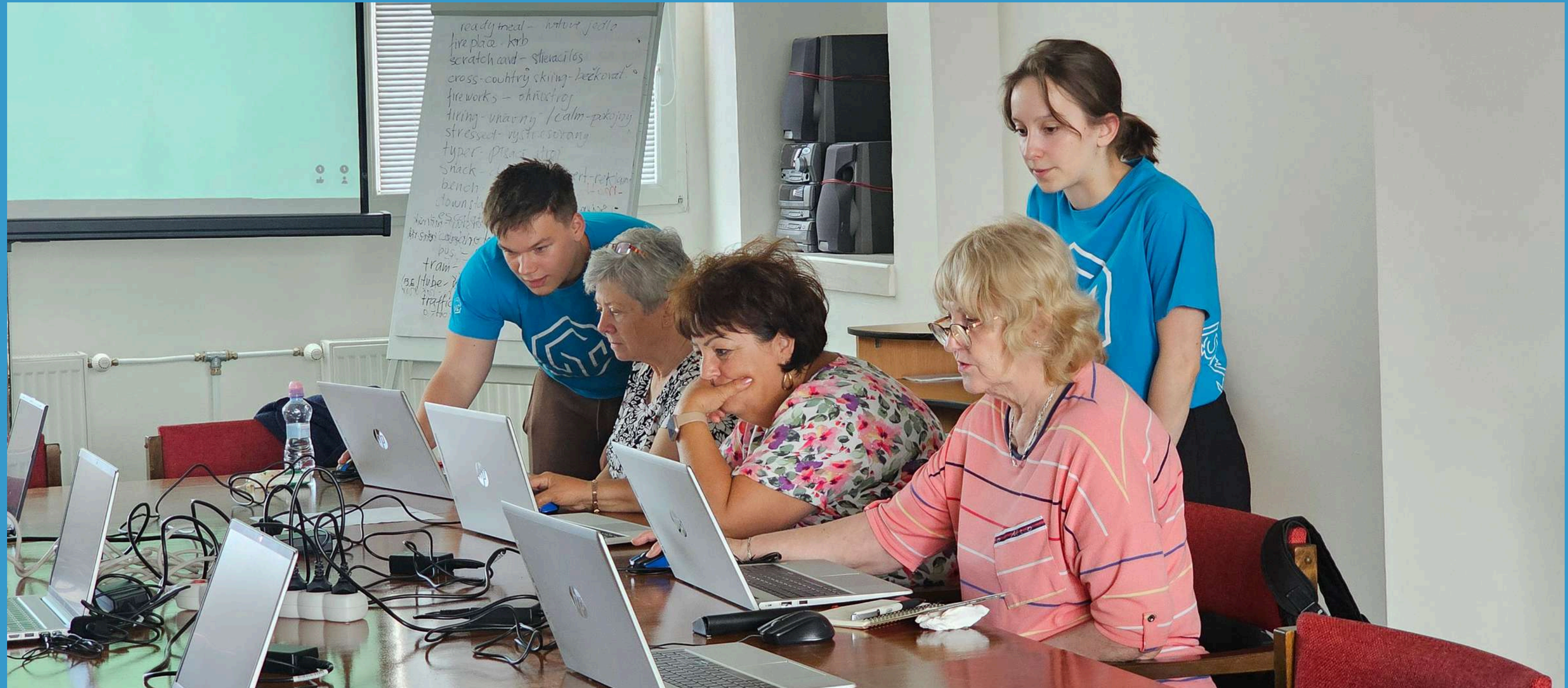


*"Thank you for organizing the competition very well, keep it up, definitely one of the best competitions I've participated in. Hopefully, it will go similarly well for you in the coming years, good luck, keep it up, hopefully, we'll see each other again next year"*

# WORKSHOPS ON DIGITAL SECURITY FOR SENIORS

- The number of online frauds against seniors is increasing, so we decided to organize free workshops for seniors on digital security in collaboration with the city of Považská Bystrica.
- During interactive sessions, we teach them how to protect themselves from fraud, how to recognize fraud, and many other practical online skills.

# WORKSHOPS FOR SENIORS



# HOW OUR WORKSHOPS HELP US MOVE TOWARDS OUR VISION

- Our workshops focused on digital security help seniors protect themselves from online fraud and cyber threats.
- Seniors gain the skills necessary to safely and effectively use technology, which reduces the digital divide between generations.
- Our workshops for seniors emphasize the importance of lifelong learning and demonstrate that education is not limited by age.

# WORKSHOPS FOR STUDENTS AT SCHOOLS

- We are currently piloting our workshops in schools in our organization's district.
- Workshops are organized in collaboration with the city of Považská Bystrica and the regional coordinator for child protection.
- We would like to conduct workshops in other regions at the beginning of 2025.

# WORKSHOPS AT SCHOOLS





# TOPICS OF THE WORKSHOPS

- cybersecurity
- civic participation
- working with AI and digital tools

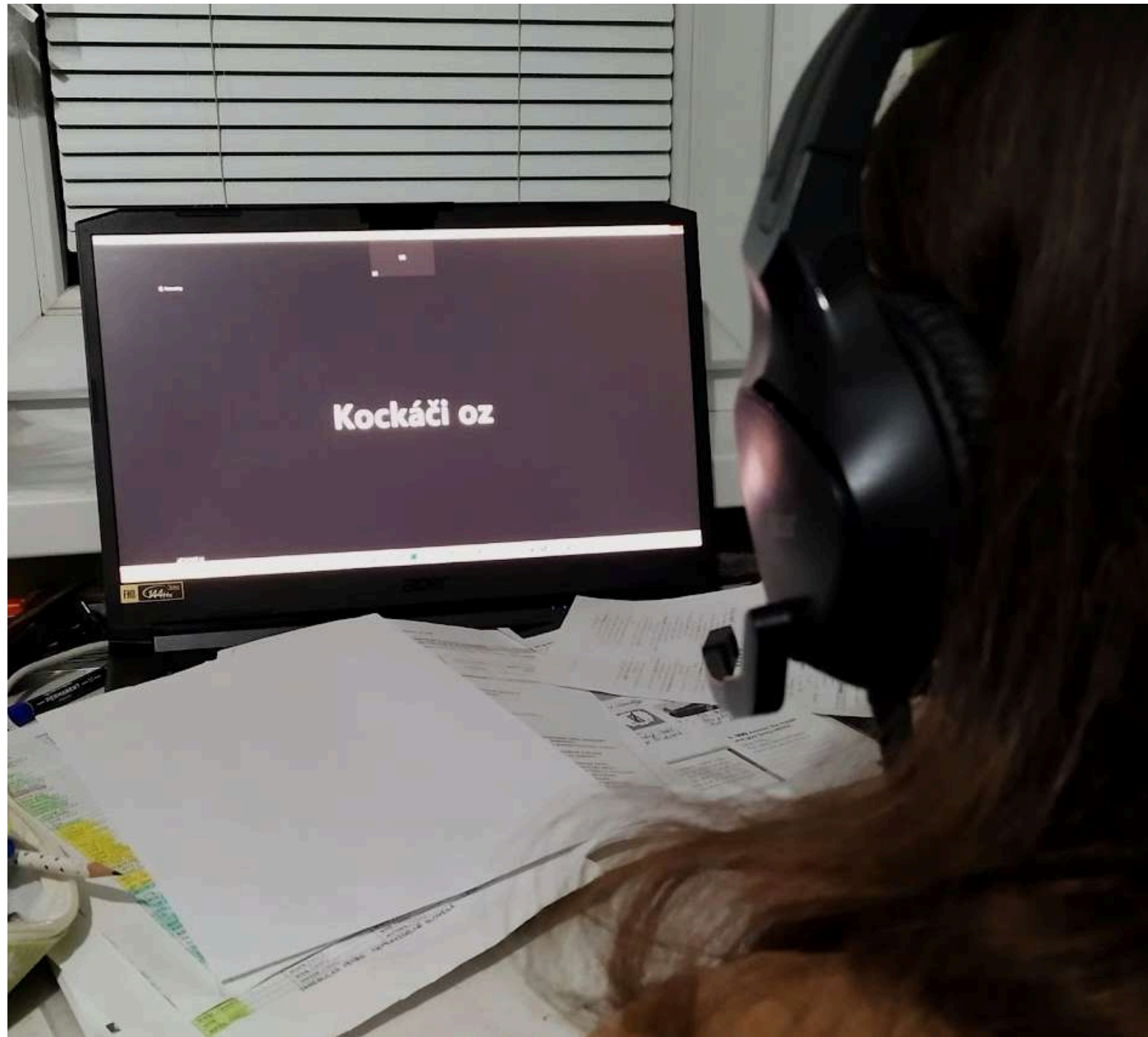
# HOW OUR WORKSHOPS HELP US MOVE TOWARDS OUR VISION

- By conducting workshops directly in schools, we can bring digital topics directly into the school curriculum.
- Our workshops help schools and students adapt to the rapid changes in the IT field.
- Workshops also cover civic participation. We want young people to learn about the possibilities of the third sector and hopefully inspire them to start their own projects.

# FREE TUTORING USING THE PEER TO PEER METHOD

- We believe that everyone has the right to education regardless of their background or financial situation, which is why we organize free online tutoring.
- The sessions are led by student tutors, using the peer-to-peer method, and are highly interactive.
- Our sessions are public and anyone interested in learning something new can join.

# OUR FREE TUTORING



**200+** FREE LESSONS  
PROVIDED

**250+** SATISFIED  
STUDENTS

**8** EXPERIENCED  
TUTORS

# WORKSHOPS FOR TEACHERS

- The goal of the project is to integrate AI tools into the educational process in primary and secondary schools in Slovakia.
- We believe that to truly change education, we must also change the approach of teachers and help them understand the potential of modern technologies.
- This part of the project is currently in the preparation stage.

# CONTENT OF THE WORKSHOPS FOR TEACHERS

- Lectures from experts in AI showing the true potential of AI tools and artificial intelligence.
- Lectures from teachers who already implemented AI, sharing their practical experiences

# CONTENT OF THE WORKSHOPS FOR TEACHERS

- Tutorials and materials to help teachers select suitable AI tools and prepare their own innovative ideas.
- Activities with AI for teachers who have little or no experience with it.

# VALUES

Lifelong learning

Talent support

Adaptability

# Innovation

Initiative and proactivity

Critical thinking

Available education

Digital literacy

Positive attitude towards technology



[www.kockaci.com](http://www.kockaci.com)

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