



Educational course for B&H high school teachers 2024 in Slovakia and Czech Republic

Programme*

8-12.04.2024

Bratislava, Slovakia ([SOŠCH Bratislava](#)) - Pardubice, Czech Republic ([SPŠCH Pardubice](#))

Time	Activity
Day 1	Sunday, 07.04.2024
	Arrival to Bratislava
Day 2	Monday, 08.04.2024
8:30 – 8:45	Welcome, introduction of the meeting, participants <i>Stredná odborná škola chemická, Vlčie hrdlo 50</i> Address: Vlčie hrdlo 50, 821 07 Bratislava
8:45 – 9:30	Tour around the school. Visiting practical professional subject lessons. Discussion with teachers <i>Chemistry laboratory exercises - organic chemistry</i>
9:30 – 10:30	Vocational education and training in EU countries
10:30 – 10:50	Coffee break
10:50 – 12:00	Teaching and evaluation with digital tools
12:00 – 13:00	Lunch at Maranello Ristorante (Vlčie hrdlo 1/A, Bratislava)
13:00 – 13:45	Visiting professional subject lessons. Discussion with teachers <i>Chemistry laboratory exercises - inorganic chemistry, Professional practice - analytical chemistry</i>
13:45 – 14:25	Extracurricular professional activities – a way of professional development. Discussion with students participating in chemistry competitions
14:25 – 15:15	Promoting vocational education and training. Development of soft skills through promoting activities
18:00 – 20:00	Dinner at Slovakia Flagship restaurant Námestie SNP 8, Bratislava
Day 3	Tuesday, 09.04.2024
9:00 – 9:45	Preparing graduates for the future workplace. Discussion with students taking part on compulsory professional experience <i>Stredná odborná škola chemická, Vlčie hrdlo 50</i> Address: Vlčie hrdlo 50, 821 07 Bratislava
9:45 – 10:30	Erasmus+ as an integral part of vocational education and training. Discussion with students participating on traineeship
10:30 – 10:50	Coffee break
10:50 – 11:30	Occupational health and safety at a chemical laboratory in Slovak Republic
11:30 – 12:00	Green approach in VET
12:00 – 13:00	Lunch at Maranello Ristorante (Vlčie hrdlo 1/A, Bratislava)
13:00 – 13:45	Visiting professional subject lessons. Discussion with teachers and students <i>Professional practice - analytical chemistry, pharmaceutical technology, physical chemistry</i>
13:45 – 14:15	Inclusive education in vocational school * Inclusive approach in Erasmus+ projects
14:15 – 14:45	Discussion on Summer school for students at SOŠCH
14:45 – 15:00	Final words, evaluation, certification



Time	Activity																				
18:00 – 20:00	Dinner at Bratislavský meštiansky pivovar restaurant (optional) Drevená 8, Bratislava																				
Day 4	Wednesday, 10.04.2024																				
	Travelling from Bratislava to Pardubice Potentially visiting Prague																				
	Exchange Euros to Czech crowns (recommended to have a minimum of 300 CZK/person). Follow recommendations in the Info Guide.																				
Day 5	Thursday, 11.04.2024																				
9:00 – 9:30	Welcome, introduction of the meeting, participants <i>Střední průmyslová škola chemická Pardubice (SPŠCH)</i> Address: Poděbradská 94, 530 09 Pardubice																				
9:30 – 11:00	Tour around the school																				
11:00 – 11:30	Digital tools in chemistry teaching and laboratory work (tablets, XR, digitalisation, etc.)																				
	Visiting various lab works. You will be split into 2 groups. Below indicates what is your first lab for those 20 minutes of the visit and then you switch:																				
	<table> <tr> <th>Group A</th><th>Group B</th></tr> <tr> <td>11:30 – 12:10</td><td>Organic chemistry lab, M. Tefrová</td></tr> <tr> <td>12:20 – 13:10</td><td>Analytical chemistry lab, K. Koryčanová</td></tr> <tr> <td>13:10 – 14:10</td><td>Biology lab, J. Dřevíkovský</td></tr> <tr> <td>14:15 – 15:05</td><td>Criminalist exercise, M. Bárta</td></tr> <tr> <td>15:10 – 15:50</td><td>Lunch, pre-ordered at SPŠCH Pardubice school canteen</td></tr> <tr> <td></td><td>Forensic chemistry lab, K. Koryčanová</td></tr> <tr> <td></td><td>Analytical chemistry lab, J. Hlávka</td></tr> <tr> <td></td><td>Chemical engineering lab, M. Zvolská</td></tr> <tr> <td></td><td>Instrumental analysis lab, A. Volejníková</td></tr> </table>	Group A	Group B	11:30 – 12:10	Organic chemistry lab, M. Tefrová	12:20 – 13:10	Analytical chemistry lab, K. Koryčanová	13:10 – 14:10	Biology lab, J. Dřevíkovský	14:15 – 15:05	Criminalist exercise, M. Bárta	15:10 – 15:50	Lunch, pre-ordered at SPŠCH Pardubice school canteen		Forensic chemistry lab, K. Koryčanová		Analytical chemistry lab, J. Hlávka		Chemical engineering lab, M. Zvolská		Instrumental analysis lab, A. Volejníková
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18:30 – 20:30	Dinner at St. Patrick restaurant / Dress code: smart casual Anenská 2641, 530 02 Pardubice																				
Day 6	Friday, 12.04.2024																				
9:30 - 10:00	Presentation and discussion: How to attract future students to chemistry study programmes? <i>Střední průmyslová škola chemická Pardubice (SPŠCH)</i> Address: Poděbradská 94, 530 09 Pardubice																				
10:00 - 11:30	Promotional activities for future students - chemistry show Room: L136																				
11:30 - 12:45	Practical experience with digital tools in chemistry teaching (XR, tablets, etc.) Interview recordings of participants																				
13:00 – 14:00	Lunch at Pierre restaurant																				
14:15 – 14:35	Final words, evaluation, certification																				
Day 7	Saturday 13.04.2024																				
	Departure of participants																				

* Programme is a subject to change

You should be familiar with:

Slovakia

During the visit in Slovakia we will involve you in active discussions on specific topics. Therefore, we would like that at least one person from the incoming organisation would have a knowledge on the following topics:



- Your school **curriculum**. We will compare our curricula in terms of the number of hours devoted to general and vocational education, theoretical and practical education. We will discuss the maximum number of pupils that can be present in the laboratory at the same time.
- **Content and performance standards** in chemistry vocational study programs. We could compare what a graduate from our schools should know upon graduation.
- Work experience of your students **at employers' workplaces**. Is it compulsory for your students to complete work experience at employers' workplaces? If so, how long does this practice last? Who provides workplaces for work experience for students? Can the student provide his/her own workplace? Will students receive a financial reward for their work experience?
- The **employers** your school works with. We will discuss the industry in which employers operate and the type of the workplace (chemical production, laboratory). We will discuss how the employers support the school and students (scholarship).
- **Extracurricular activities** - chemistry olympiad or similar competition and vocational skills competitions. We will discuss how you prepare students for these competitions and how participation in these competitions helps to develop their professional competences. Three of our students are invited to discuss their experiences with regional, national and international round of chemistry olympiad and secondary vocational school activity.
- The **digital tools** used in your school to teach chemistry and evaluate the students. We will discuss the pros and cons of using digital tools in teaching chemistry.
- If teachers in your school are using the **CLIL method** in chemistry and vocational subjects. We can exchange our experiences.
- **Promotional activities** of your school. What promotional activities do you carry out? Are employers and graduates involved in promotional activities? We could share best practices in promoting.
- Are you **tracking your graduates** (to follow their career path)? If so, what methods do you use?
- Legislation regulating the **work of juveniles with hazardous chemicals**. Can adolescents who are preparing themselves for a profession, work with toxic, carcinogenic and mutagenic substances? If so, under what conditions?
- **Green approach**. What activities do you use to promote a green approach in theoretical and practical education? Do you use digital technologies as an element of the green approach?

Tip: You can bring supporting documents (not needed to be translated), have digital form of those documents to reflect on it. It could help to reflect on it during the discussion.

Czech Republic

Orientation questions for the interviews (at least one person per organisation):

- Brief introduction about you: organisation, role
- What was new / most useful aspect of mobility in 1) SOŠCH Bratislava and 2) SPŠCH Pardubice?
- What are 3 things you are excited to share with your colleagues upon your return to your organisation?
- Say in 1-3 words in your own language what is the most memorable thing / activity from this mobility.

Interview will be conducted in English.

You will need with you:

Slovakia

- Lab coat (you will visit laboratory exercises)
- Tablet or notebook (activities) - optional, we provide 1 computer for each group
- Price of meals:
 - lunch in Maranello Ristorante (10 min walk from school) is 7,20 - 8,20 EUR (by card or cash)
 - dinner at Slovakia Flagship Restaurant, Bratislavský meštiansky pivovar (optional), both restaurants in the city centre, is around 20 EUR (by card or cash)



Czech Republic

- For a meal at SPSCH Pardubice school canteen please have 143 CZK/person (cash) [5,7 EUR]
- Price of lunch in Pierre restaurant (5 min walk) is around 230 - 355 CZK/person (by card or cash) [9 - 14 EUR]

Contacts:

Slovakia

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Czech Republic

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