

# Department of Digitalisation in Education

National Pedagogical Institute (NPI)

„Helping teachers use digital technologies in schools so that they experience success and joy for their students in the digital world“

#wearenpi #wearedigi



## Main line of activities

### Supporting schools and teachers

We support teachers, school leaders and ICT coordinators in setting up effective use of digital technologies. We help with the introduction of new informatics and digital competences into the curriculum, as well as with the effective use of digital technologies and artificial intelligence in education.

### NPI Digital Development

We make sure that NPI employees use the possibilities of digital technologies in a modern and efficient way and that NPI clients receive services that align with modern trends in digital education.

### Support for Strategic Planning

For the Ministry of Education, Youth and Sports of the Czech Republic and other representatives of the state administration we prepare documents for planning digital education concepts and strategies, monitor research and pedagogical practice.

## Our themes

### Digital competences

We support teachers of all subjects to guide students to use digital technologies safely, confidently, critically and creatively, to navigate, shape and balance both the digital and physical worlds. At the same time, we also set the educational content to reflect these goals.

<https://digitalizace.rvp.cz/co-se-meni/digitalni-kompetence>

### Computer science

We help computer science teachers to direct their teaching towards the development of computational thinking and understanding of the principles of digital technologies. Understanding how digital technologies work contributes both to understanding the rules of the digital world and to using them effectively, safely and ethically. We are therefore adjusting the content of education to support these goals and to facilitate the comprehensive development of computational thinking students.

<https://digitalizace.rvp.cz/co-se-meni/nova-informatika>

National Pedagogical Institute is a service organization of the Czech preschool, elementary and secondary education system. We offer carefully thought-out and thoroughly designed tools that support school teams and individual teachers on their way to student development.

### **Artificial intelligence**

We help schools to use AI effectively and safely for both teaching and teacher work. We follow news and trends and come up with recommendations, support and education on how to deal with this new phenomenon in schools.

<https://digitalizace.rvp.cz/napric-predmety/ai>

### **Digital wellbeing**

We strive for healthy and balanced use of digital technologies in schools and families. We focus on promoting a healthy lifestyle when working with technologies and in online environments. We emphasize the prevention of digital addiction, the development of critical thinking and resilience to online manipulation.

<https://digitalizace.rvp.cz/napric-predmety/digitalni-wellbeing>.

### **Cybersecurity**

We advise schools on how to protect their students in the online space and how to secure the school and its systems. We educate teachers and students on cybersecurity so they can protect themselves against cyber threats, cyberbullying, and misinformation.

<https://digitalizace.rvp.cz/napric-predmety/kyberneticka-bezpecnost/>

### **Digital pedagogical leadership**

We strive to ensure that principals and vice-principals use technology in school leadership, and also that their use is directed towards transforming teaching and learning. Technology has a role to play in school vision, in pedagogical innovation, in the professional development of school staff, in their collaboration and communication, or in their work with school data.

<https://vedemeskolu.npi.cz/>

### **School ICT coordinators**

We offer schools an innovative specialization studies for ICT coordinators and a new updating course for those who have completed the qualification in the past. Both training programmes are delivered through a combination of face-to-face and e-learning.

<https://digitalizace.rvp.cz/nabidka-podpory/kurzy-a-webinare/ict-koordinator>

### **DigiCoalition**

We connect representatives of government institutions, ICT companies, educational institutions, academia, non-profit organizations, school founders and other entities. We are committed to ensure that everyone is on the same digital education page.

<https://digikoalice.cz/>

### **Modern digital education in NPI**

We take care to create methodologically and design-wise high-quality e-learning support for the clients of NPI, to offer attractive and effective blended and hybrid education based on the latest neuroscientific knowledge.

## **Links and information**

### **Websites on curriculum revision in ICT for schools and public:**

▶ <https://digitalizace.rvp.cz>

### **The National Pedagogical Institute of the Czech Republic (NPI CR)**

▶ <https://en.npi.cz/>



### **Contact:**

<https://digitalizace.rvp.cz/o-projektu#mise>

