

International scientific and practical conference "STEAM EDUCATION: FROM THEORY TO PRACTICE"

June 12, 13, 14, 2024

PURPOSE OF THE CONFERENCE

Exchange of experience and establishment of cooperation between scientists, teachers, practitioners in the field of STEAM education, discussion of current problems and prospects for the development of STEAM education in Ukraine and the world; development of practical recommendations for the implementation of forms and methods of the STEAM educational approach

CONFERENCE WORK DIRECTIONS

I. Theoretical foundations of STEAM

- Evolution from STEM to STEAM
- Philosophical, psychological and pedagogical foundations of STEAM
- Art and design features in STEAM
- Integrative models of STEAM
- STEAM and creative development of gifted personality

III. Experience in implementing STEAM-education

- STEAM educational policy of different countries
- Analysis of the best global STEAM practices
- Directions and ways of implementing STEAM education in Ukraine
- Inclusive STEAM pedagogical approaches
- STEM/STEAM laboratories and centers
- Partnership in STEAM education

II. STEAM methods and technologies

- Innovative STEAM methods and techniques
- Neuropedagogy and STEAM education
- Design thinking technologies in STEAM
- STEM/STEAM platforms and resources
- Artificial Intelligence capabilities for STEAM-education

IV. Actual problems and ways of development of STEAM

- Challenges and barriers to the implementation of STEAM education
- International cooperation on the development of STEAM education in Ukraine
- Professional development of teachers
- STEAM in the profile education of the new Ukrainian school
- STEAM and education of the future

WE INVITE: scientists and practitioners, specialists in the integration of science and art, Neuropedagogy, creativity development, pedagogical design, design education; employees of the Ministry of Education and Culture of Ukraine, the National Academy of Sciences of Ukraine and branch academies, in particular the National Academy of Pedagogical Sciences of Ukraine; institutions of higher education of the pedagogical profile; representatives of the system of the Junior Academy of Sciences of Ukraine, out-of-school education institutions of both state and non-state forms of ownership; heads and representatives of regional and district education departments, institutes of postgraduate education; heads and teachers of educational institutions, graduate students, students; everyone who is interested in the topic of the conference.

OFFICIAL LANGUAGES OF THE CONFERENCE: Ukrainian, English

OPPORTUNITIES TO PARTICIPATE IN THE CONFERENCE:

- **Online presentation with a report** (or a video recording of the report for online broadcast) and providing materials for publication, **conducting a master class**
- **Extramural participation** – providing materials for publication and inclusion of the topic in the conference program
- **As a conference listener** – online viewing of the conference and final testing

The event will be broadcast on the YouTube channel of the Institute of the Gifted Child of the National Academy of Educational Sciences of Ukraine (Start at 10.00 a.m.)

The materials of the conference (program, collection of publications and video recording of the event) are published on the website of the Institute of the Gifted Child of the NAESU

<https://iod.gov.ua/ua>

Registration for speakers and publication authors until 07.06.2024 (including), by the link <https://forms.gle/1XjyzWQEicW9oH7a7>

Registration for participants until 12.06.2024 (including) on the educational platform "Unified Certification System", by the link: <https://stem.nppu.org/event/26>

Participation in the conference is free of charge!

Participants who pass the summary test by 20.06.2024 (including), will receive an electronic certificate, which will be posted from 28.06.2024 in "My Cabinet" on the "Unified Certification System" educational platform

* PUBLICATION REQUIREMENTS

Publications of up to 10 pages should be sent by 07.06.2024 to the e-mail address conference@iod.gov.ua, the title of the letter «**Publication Surname**»

Requirements for publication:

Page size: A4 (180x297 mm), Indents: left - 2 cm, right - 2 cm, top - 2 cm, bottom - 2.cm (mirror margins); Main text: Times New Roman typeface, font - point 14, Line spacing – 1,0; right alignment **author's surname and first name in bold**, right-aligned, – *scientific degree, academic title, position and name of the institution/educational institution, e-mail address of the author*; further, in the center, **TITLE** of article in **CAPITAL** letters in **BOLD** font. In the next line, in italics with width alignment, there is an abstract and keywords in Ukrainian and English. Next - the text of the article, after which - **REFERENCES** (list of used sources); references in the text to literature and Internet sources are written in square brackets

** The materials in the collection will be submitted in the author's edition. The authors are responsible for the originality of the publication text. The organizing committee reserves the right to reject publications that do not meet the requirements or the theme of the conference*

ORGANIZATIONAL COMMITTEE

Contact for scientific issues: *Nataliia Polikhun, PhD, Head of the Giftedness Support Department of the Gifted Child Institute of the National Academy of Sciences of Ukraine, Viber (093)736-57-11; np.iod@ukr.net*

Contact for speaker registration and posting of publications: *Onopchenko Olena, researcher at the giftedness support department of the Gifted Child Institute of the National Academy of Sciences of Ukraine, Viber (067) 444-39-52; conference@iod.gov.ua*

Contact for conference registration: *Vasylenko Iryna, head of the sector of scientific and methodological support of STEM education of the STEM education department of Institute of education content modernization, (044) 248-24-65; stemosvita@gmail.com*

Thank you for informing your colleagues!

WE ARE EXPECTING FRUITFUL COOPERATION AND INTERESTING SCIENTIFIC DISCUSSIONS!