



International Science Group

ISG-KONF.COM

XIII

**INTERNATIONAL SCIENTIFIC
AND PRACTICAL CONFERENCE**

**"CULTURAL AND ARTISTIC PROCESSES IN THE CONTEXT
OF THE EUROPEAN SCIENTIFIC SPACE"**

Valencia, Spain

November 26-29, 2024

ISBN 979-8-89619-793-5

DOI 10.46299/ISG.2024.2.13

CULTURAL AND ARTISTIC PROCESSES IN THE CONTEXT OF THE EUROPEAN SCIENTIFIC SPACE

Proceedings of the XIII International Scientific and Practical Conference

Valencia, Spain
November 26 – 29, 2024

UDC 01.1

The 13th International scientific and practical conference “Cultural and artistic processes in the context of the European scientific space” (November 26 – 29, 2024) Valencia, Spain. International Science Group. 2024. 350 p.

ISBN – 979-8-89619-793-5

DOI – 10.46299/ISG.2024.2.13

EDITORIAL BOARD

<u>Pluzhnik Elena</u>	Professor of the Department of Criminal Law and Criminology Odessa State University of Internal Affairs Candidate of Law, Associate Professor
<u>Liudmyla Polyvana</u>	Department of accounting, Audit and Taxation, State Biotechnological University, Kharkiv, Ukraine
<u>Mushenyk Iryna</u>	Candidate of Economic Sciences, Associate Professor of Mathematical Disciplines, Informatics and Modeling. Podolsk State Agrarian Technical University
<u>Prudka Liudmyla</u>	Odessa State University of Internal Affairs, Associate Professor of Criminology and Psychology Department
<u>Marchenko Dmytro</u>	PhD, Associate Professor, Lecturer, Deputy Dean on Academic Affairs Faculty of Engineering and Energy
<u>Harchenko Roman</u>	Candidate of Technical Sciences, specialty 05.22.20 - operation and repair of vehicles.
<u>Belei Svitlana</u>	Ph.D., Associate Professor, Department of Economics and Security of Enterprise
<u>Lidiya Parashchuk</u>	PhD in specialty 05.17.11 "Technology of refractory non-metallic materials"
<u>Levon Mariia</u>	Candidate of Medical Sciences, Associate Professor, Scientific direction - morphology of the human digestive system
<u>Hubal Halyna</u> <u>Mykolaivna</u>	Ph.D. in Physical and Mathematical Sciences, Associate Professor

TABLE OF CONTENTS

AGRONOMY		
1.	Lasso Liang MODERN AGRICULTURAL SYSTEMS: TRANSFORMING URBAN SPACES WITH MICROALGAE AND PHOTOVOLTAIC INTEGRATION	11
ARCHITECTURE, CONSTRUCTION		
2.	Курілович К.В., Бабенцова О.С., Вербовецька В.В., Сліпченко В.Р. БІОМІМЕТИЧНІ ПІДХОДИ В БУДІВНИЦТВІ: ВИКОРИСТАННЯ ПРИРОДНИХ МАТЕРІАЛІВ І СТРУКТУР ДЛЯ СТВОРЕННЯ ЕНЕРГОЕФЕКТИВНИХ БУДІВЕЛЬ	15
ART HISTORY		
3.	Antonova M. THE MELODRAMA “AMPHION” BY ARTHUR HONEGGER: PECULIARITIES OF THE GENRE	18
4.	Lavryk N., Andriianova O. THE ODESA FESTIVAL “ARTE DA CAMERA: ENSEMBLE SPACE” AS A FORM OF CHAMBER MUSIC	19
BIOLOGY		
5.	Топчій М.С., Стришко А.С., Подорожнюк М.С. ФАКТОРИ, ЩО ОБУМОВЛЮЮТЬ РОЗВИТОК СКОЛІОЗУ	23
CHEMISTRY		
6.	Mammadova A.F. PROPERTIES OF ETHYLENE-PROPYLENE RUBBER	27
ECONOMY		
7.	Шилова В.О., Коломієць Г.М. ЕКОНОМІЧНА ІНТЕГРАЦІЯ УКРАЇНИ – ІМПЕРАТИВ ІІ ВІДНОВЛЕННЯ	34
GEOGRAPHY		
8.	Taranova N., Taranov B., Bila N. THE DEVELOPMENT OF CHOREOGRAPHIC ART IN TERNOPIL REGION: A GEOGRAPHICAL PERSPECTIVE ACROSS CENTURIES	38

9.	Царик П.Л., Оливко О.А., Царик Л.П. ОЦІНКА РЕКРЕАЦІЙНОЇ ПРИДАТНОСТІ ЛАНДШАФТІВ НАЦІОНАЛЬНОГО ПРИРОДНОГО ПАРКУ "МАЛЕ ПОЛІССЯ"	48
GEOLOGY		
10.	Ішков В.В., Дрешпак О.С., Козар М.А., Березняк О.О., Чечель П.О. ЗВ'ЯЗОК МІЖ ВМІСТАМИ БЕРИЛІЮ ТА АРСЕНУ У ВУГІЛЬНОМУ ПЛАСТІ С5 ШАХТИ "ПАВЛОГРАДСЬКА" (УКРАЇНА)	57
JURISPRUDENCE		
11.	Гришко В.І., Цевух А.І. ЗДОБУТКИ ТА ПЕРСПЕКТИВИ УКРАЇНИ В ГАЛУЗІ ШТУЧНОГО ІНТЕЛЕКТУ: ПРАВОВИЙ АСПЕКТ	97
12.	Гук Д.О. СТАН ТА ПРОБЛЕМИ ФІНАНСОВОЇ СИСТЕМИ УКРАЇНИ В УМОВАХ ВОЄННОГО СТАНУ	101
13.	Завалій Д.С. КІБЕРБЕЗПЕКА У ФІНАНСОВІЙ СФЕРІ В УКРАЇНІ	105
14.	Сидора Р.В. ПОНЯТТЯ ТА СУТНІСТЬ КРИПТОВАЛЮТИ В СУЧАСНИХ УМОВАХ	108
15.	Соц Д.В. РОЗВИТОК ЦИФРОВИХ ФІНАНСІВ В УКРАЇНІ	110
16.	Шинкарьова Д.Г. СУТНІСТЬ КРИПТОВАЛЮТ ТА ЇХ СТАТУС	113
LINGUISTICS		
17.	Войнова М.В. АНТРОПОНІМІКОН МЕШКАНЦІВ УМАНІ У 1920 РОЦІ	116
18.	Карпенко О.Ю., Іщенко В.С. МОТИВАЦІЙНІ ХАРАКТЕРИСТИКИ НАЗВ ПІСЕНЬ ГУРТУ "IMAGINE DRAGONS"	119

19.	Ковалишен С.В., Домніч Л.М. МОВНІ КУРСИ ДЛЯ УКРАЇНСЬКИХ МІГРАНТІВ У КОНТЕКСТІ СОЦІАЛЬНОЇ ІНКЛЮЗІЇ ТА КУЛЬТУРНОЇ АДАПТАЦІЇ В ЄВРОПІ	124
LITERARY STUDIES		
20.	Марцінковська І. РИТУАЛЬНО-МАГІЧНА ПОЕТИКА ЗАМОВЛЕННЯ	130
21.	Марцінковська І. ПОЕЗІЯ ВАСИЛЯ БАРКИ ЯК ВІДДЗЕРКАЛЕННЯ ДУХОВНОГО ШЛЯХУ: АПОЛОГІЯ РЕЛІГІЇ ЧЕРЕЗ ЖИТТЄВИЙ ДОСВІД	140
MANAGEMENT, MARKETING		
22.	Ігнатюк В.В., Журенко М.М. МОТИВАЦІЯ ПЕРСОНАЛУ ТРАНСПОРТНИХ ОРГАНІЗАЦІЙ В ПЕРІОД ВОЄННОГО СТАНУ	144
23.	Ігнатюк В.В., Агій О.І. ВПЛИВ ШТУЧНОГО ІНТЕЛЕКТУ НА ТРАНСПОРТНЕ ПІДПРИЄМСТВО	148
24.	Мурга С.О. ОЦІНКА ЕФЕКТИВНОГО МЕНЕДЖМЕНТУ ПІДПРИЄМСТВА	151
MEDICINE		
25.	Fidarova D., Kaminskya I. POST-TRAUMATIC STRESS DISORDER: A MEDICAL PERSPECTIVE	157
26.	Slonetskyi B., Verbitskiy I., Slonetska L., Yaremchuk M., Shvedenko Y. ІНСТРУМЕНТАЛЬНА ОБ'ЄКТИВІЗАЦІЯ ОБ'ЄМУ РЕЗЕКЦІЇ ПОРОЖНИСТОГО ОРГАНУ В УРГЕНТНІЙ АБДОМІНАЛЬНІЙ ХІРУРГІЇ	161
27.	Бірюков В.С. ДО ПИТАННЯ ПРО МОЖЛИВОСТІ ІМПЛЕМЕНТАЦІЇ ЗАКОНІВ ЛОГІКИ У КЛІНІЧНЕ МИСЛЕННЯ	165

28.	Бобрусь М.Є., Калініна А.С., Гаврилов А.В. COVID-19 У ДІТЕЙ З АСТМОЮ	172
29.	Гончарь О.М., Кропівний М.В., Морока Р.К., Кайнара В.М. ЛІКУВАННЯ ПІГМЕНТНОГО РЕТИНІТУ	175
30.	Крецу Н.М., Боднарюк Н.І., Головка М.І., Руснак М.С. НЕОНАТАЛЬНИЙ ГЕРПЕС: ПОШИРЕНІСТЬ, СУЧАСНІ МЕТОДИ ДІАГНОСТИКИ, ЛІКУВАННЯ ТА ПРОФІЛАКТИКИ	178
31.	Малик Н.В., Бобрусь М.Є., Калініна А.С. ВТОРИННА АРТЕРІАЛЬНА ГІПЕРТЕНЗІЯ В ПРАКТИЦІ СІМЕЙНОГО ЛІКАРЯ	183
32.	Малик Н.В., Стеблянюк О.О. РОЛЬ СІМЕЙНОГО ЛІКАРЯ У ПРОФІЛАКТИЦІ СЕРЦЕВО- СУДИННИХ ЗАХВОРЮВАНЬ	186
33.	Оліфіренко Д.Є., Білошапка А.В., Овчар А.В., Малич Т.С. ВПЛИВ ВНУТРІШНЬОТРОБНИХ ІНФЕКЦІЙ НА РОЗВИТОК ПЛОДА ТА НОВОНАРОДЖЕНОГО	190
34.	Удод О.А., Алігаджієва Г.М., Афоніна В.В., Соболев О.Г. ПОРІВНЯЛЬНА ХАРАКТЕРИСТИКА СТОМАТОЛОГІЧНИХ ФОТОПОЛІМЕРИЗАТОРІВ З РІЗНИМИ ДЖЕРЕЛАМИ СВІТЛА	194
35.	Харківська Д.О., Захарченко В.С., Гаврилов А.В. ВІРУСНІ ГЕПАТИТИ У ДІТЕЙ: ЕПІДЕМІОЛОГІЯ, ПРОФІЛАКТИКА ТА ЛІКУВАННЯ	197
PEDAGOGY		
36.	Gorlach V. ADVANTAGES OF STUDYING LIBERAL ARTS AND LIBERAL SCIENCE PROGRAMS FOR THE DEVELOPMENT OF INTERCULTURAL TOLERANCE	200
37.	Pidlubna I., Shtainer T. CREATIVE ACTIVITY DURING THE FORMATION OF DESIGN AND CONSTRUCTION COMPETENCE OF FUTURE TECHNOLOGY TEACHERS IN A SPECIALIZED SCHOOL	202

38.	Tao Zhiqi THE INFLUENCE OF THE “ONE BELT, ONE ROAD” STRATEGY ON THE CONCEPT OF MULTICULTURAL COMPETENCE OF TEACHERS IN THE PEOPLE’S REPUBLIC OF CHINA	207
39.	Trofimchuk V., Shurn O., Hryhorchuk V., Yarmolovych D., Dorosh G. APPROACHES TO THE FORMATION OF GENERAL LABOUR SKILLS OF STUDENTS IN THE PROCESS OF LABOUR TRAINING	210
40.	Іщенко А. МІЖДИСЦИПЛІНАРНІ ПРОГРАМИ СТРАТЕГІЧНОГО ПАРТНЕРСТВА ЕРАЗМУС+: ДОСВІД ДЛЯ УКРАЇНИ	215
41.	Ван Цзялун СПЕЦИФІКАНТИ ПІДГОТОВКИ МАЙБУТНІХ УЧИТЕЛІВ ОБРАЗОТВОРЧОГО МИСТЕЦТВА ДО ПРОЄКТНОЇ ДІЯЛЬНОСТІ ДИЗАЙНЕРСЬКОГО СПРЯМУВАННЯ	218
42.	Гаврилишена О.О. THE USE OF AN ELECTRONIC TEXTBOOK AS A MEANS OF EDUCATIONAL PURPOSE IN THE CONDITIONS OF DIGITALIZATION OF GENERAL SECONDARY EDUCATION	221
43.	Голубков В. НАПРЯМИ ПІДГОТОВКИ МАЙБУТНІХ УЧИТЕЛІВ ПРИРОДНИЧО-МАТЕМАТИЧНИХ ДИСЦИПЛІН	223
44.	Жукевич І.П., Бірюкова Н.А. САМООСВІТА ВИКЛАДАЧІВ ІНОЗЕМНИХ МОВ В ЕПОХУ РОЗВИТКУ ШТУЧНОГО ІНТЕЛЕКТУ	228
45.	Заруденець І.О. РЕАЛІЗАЦІЯ КОМПЕТЕНТНІСНОГО ПІДХОДУ ДО ВИВЧЕННЯ МАТЕМАТИКИ У ШКОЛАХ ЗАСОБАМИ ІНТЕРАКТИВНИХ ТЕХНОЛОГІЙ	231
46.	Лихолат Ю.В., Асламов Є.О., Кобець О.С., Коршиков С.І., Сидорова В.А. ВИКОРИСТАННЯ РОСЛИН ЗАХИЩЕНОГО ҐРУНТУ ПРИ ПРОВЕДЕНІ НАВЧАЛЬНОЇ РОБОТИ З БІОЛОГІЇ	235

47.	Лотиш Н.Г., Сеньківська Л.І., Папінко Р.М., Усенко Д.В., Федін М.В. ВІРТУАЛЬНІ КЛІНІЧНІ СЦЕНАРІЇ ТА СИМУЛЯЦІЙНЕ НАВЧАННЯ У ВИВЧЕННІ ДИСЦИПЛІНИ "ПЕДІАТРІЯ"	238
48.	Мовчун С.С., Корнійчук Р.М., Мислінчук В.О. ДОМАШНІ ЕКСПЕРИМЕНТАЛЬНІ ЗАВДАННЯ З ФІЗИКИ, ЯК ІНСТРУМЕНТ ФОРМУВАННЯ МІЖПРЕДМЕТНОЇ КОМПЕТЕНТНОСТІ УЧНІВ	241
49.	Моркот Д. ОСОБЛИВОСТІ ОРГАНІЗАЦІЇ НЕТРАДИЦІЙНИХ УРОКІВ У НАВЧАЛЬНО-ВИХОВНОМУ ПРОЦЕСІ ПОЧАТКОВОЇ ШКОЛИ	246
50.	Охрименко Л. РОЛЬ DIGITAL-РЕКЛАМИ В РЕБРЕНДИНГОВІЙ КАМΠΑНІЇ	249
51.	Полубоярина І.І., Бондарева О.Н., Афанасенко Л.Н. АРТ-ТЕРАПІЯ ЯК ІННОВАЦІЙНА ПСИХОЛОГО- ПЕДАГОГІЧНА ТЕХНОЛОГІЯ	252
52.	Холодов С.А., Орлов Д.Ю. ОСОБЛИВОСТІ ЗАСТОСУВАННЯ ФІЗИЧНИХ ВПРАВ В КОМПЛЕКСНІЙ РЕАБІЛІТАЦІЇ ОСІБ З ПРОЯВАМИ ДЕГЕНЕРАТИВНИХ ЗМІН ХРЕБТА	256
PHARMACEUTICAL SCIENCES		
53.	Катинська М.Г. ДОСВІД ОРГАНІЗАЦІЇ НАВЧАЛЬНОЇ АПТЕКИ ДЛЯ СТУДЕНТІВ-ФАРМАЦЕВТІВ ДЛЯ ОТРИМАННЯ ПРАКТИЧНИХ НАВИЧОК З ПРОФЕСІЙНО-ОРІЄНТОВАНИХ ДИСЦИПЛІН ТА ОЗНАЙОМОЧОЇ ПРАКТИКИ	262
PHILOSOPHY		
54.	Panasiuk M. NEOLIBERAL BODY HORROR AND BODILY AUTONOMY IN MEDIA-SATURATED NETWORKS: A CRITICAL ANALYSIS OF THE FILM SUBSTANCE (2024)	266
PSYCHOLOGY		
55.	Отземко А.С. РОБОТА ПСИХОЛОГА З КНИГОЮ "ЧОМУ ТАТО НЕ ВДОМА?" ЯК ЕЛЕМЕНТ НОРМАЛІЗАЦІЇ ПСИХОЕМОЦІЙНОГО СТАНУ ДІТЕЙ, БАТЬКИ ЯКИХ Є УЧАСНИКАМИ БОЙОВИХ ДІЙ	272

56.	Чернов А.А., Заїка В.М., Лебедєв В.А., Дерябіна Н.В., Чикуров Д.О. ПСИХОЛОГІЧНІ ОСОБЛИВОСТІ РОЗВИТКУ ЛІДЕРСЬКИХ ЯКОСТЕЙ МАЙБУТНІХ МЕНЕДЖЕРІВ	274
PUBLIC ADMINISTRATION		
57.	Shutka I. ADVANTAGES AND DISADVANTAGES OF DIFFERENT TYPES OF TERRITORIAL MARKETING AND THEIR ROLE IN PUBLIC ADMINISTRATION	281
TECHNICAL SCIENCES		
58.	Bazylkhanova E., Zhulduz A., Alina Y. CHARACTERISTICS OF THE SPECIFIC MICROFLORA OF PROBIOTIC STARTER CULTURES AND YEAST	285
59.	Mengjie Wang, Jinao Yu FINANCEODE: A NEURAL ODE-BASED FRAMEWORK FOR CONTINUOUS-TIME ASSET PRICE MODELING IN FINANCIAL MARKETS	288
60.	Ovcharenko V., Tokarieva O. IMPROVING THE DYNAMIC CHARACTERISTICS OF MANIPULATOR ROBOTS THROUGH NONLINEARITY COMPENSATION	294
61.	Saik P., Lozynskiy V., Adamchuk A. WAYS TO INCREASE THE SUPPLY OF CONSTRUCTION MINERAL RESOURCES	296
62.	Бойко К.В., Чудновський В.Я.Є., Малахов С.В. УЗАГАЛЬНЕННЯ НАПРЯМІВ ПРОГРАМНОЇ ДИВЕРСНОСТІ ДЛЯ ПОКРАЩЕННЯ БЕЗПЕКИ ІНФОРМАЦІЙНИХ СИСТЕМ	299
63.	Данилов В.Я., Джалаганія Б.І. СИСТЕМА ПІДТРИМКИ ПРИЙНЯТТЯ РІШЕНЬ ТУРИЗМУ З ВИКОРИСТАННЯМ НЕЙРОННИХ МЕРЕЖ ГЛИБОКОГО НАВЧАННЯ	309
64.	Кемпник Р.В., Басюк Т.М. ІНФОРМАЦІЙНА СИСТЕМА ІЗ ПАРСИНГУ ДАНИХ ДЛЯ ПРОЦЕДУР ПРОГНОЗУВАННЯ РЕЗУЛЬТАТІВ СПОРТИВНИХ ПОДІЙ	316

65.	Корчак М.М. ДОСЛІДЖЕННЯ ЕНЕРГОЕФЕКТИВНОСТІ КОМБІНОВАНОЇ МАШИНИ ДЛЯ ПОДРІБНЕННЯ ГРУБОСТЕБЛОВИХ РОСЛИННИХ РЕШТОК	319
66.	Лабуткіна Т.В., Демченко М.К. ПЛАНУВАННЯ СЕАНСІВ КОМУНІКАЦІЇ НАЗЕМНИХ СТАНЦІЙ З КОСМІЧНИМИ АПАРАТАМИ ЗВ'ЯЗКУ, ЩО СУПРОВОДЖУЮТЬ МІСІЇ ОРБІТАЛЬНОГО СЕРВІСУ	327
67.	Лисюк Г.П., Бабенко О.В., Захаров Ю.Ф., Мітяєв В.Я.Б., Попов О.Ю. УДОСКОНАЛЕННЯ МАТЕМАТИЧНОЇ МОДЕЛІ СПАЛЮВАННЯ ТВЕРДОГО ПАЛИВА ЗМІННОГО СКЛАДУ В ТОПКАХ З ЦИРКУЛЮЮЧИМ КИПЛЯЧИМ ШАРОМ	337
TRANSPORT		
68.	Доля К.В. ЕНЕРГОЗБЕРІГАЮЧІ ТЕХНОЛОГІЇ	342
VETERINARIAN		
69.	Якименко Т.І., Токарева В.А. ПОРЯТУНОК, ОРГАНІЗАЦІЙНІ СТРАТЕГІЇ ТА РОЛЬ ВОЛОНТЕРІВ У ДОПОМОЗІ ТВАРИНАМ ПІД ЧАС ВІЙНИ	346

CREATIVE ACTIVITY DURING THE FORMATION OF DESIGN AND CONSTRUCTION COMPETENCE OF FUTURE TECHNOLOGY TEACHERS IN A SPECIALIZED SCHOOL

Pidlubna Iryna,

Senior Master

State vocational and technical educational institution
"Odessa Professional Lyceum of Technologies and Design"

Shtainer Tetiana

Lecturer of the Department of Technological and Professional Education,
The State Institution «South Ukrainian National Pedagogical
University Named after K. D. Ushynsky»

Creative activity plays a key role in the formation of design and construction competence of future technology teachers in specialized schools. It allows not only to develop creative thinking, but also to implement the acquired knowledge in a practical way.

Here are a few aspects that emphasize the importance of creative activity in this context:

1. Innovative ideas and approaches. Creative activities encourage learners to find innovative solutions and unconventional approaches to solving problems. Technology teachers can use brainstorming or design thinking methods to generate ideas and develop unique projects.

2. Practical application of knowledge. Working on projects allows future technology teachers to integrate theoretical knowledge with practical experience. For example, creating models, prototypes, or teaching aids helps consolidate the material and develop design skills.

3. Developing collaboration. Creative tasks often require teamwork, which helps develop teamwork, communication, and leadership skills. Students learn to listen to each other's ideas and find compromises.

4. Critical thinking. Creative activities help develop critical thinking as learners must evaluate their ideas, analyze their performance, and find ways to improve.

5. Emotional engagement. Participation in creative projects increases interest in the educational process and promotes emotional engagement of students. Interesting and meaningful tasks can inspire future teachers to continue their professional activities.

6. Feedback and reflection. Creative activity provides an opportunity for feedback from both teachers and fellow students. Analysis of successful and unsuccessful approaches contributes to the growth and development of competencies [1].

Recommendations for organizing creative activities [3]:

1. Stimulating ideas: offer students the opportunity to participate in competitions and hackathons where they can implement their ideas.

1.1. Competitions play a significant role in the formation of professional skills and creativity of future technology teachers. They not only stimulate creative activity, but also help students apply the acquired knowledge in practice, work in a team and develop public speaking skills. Below are ideas and recommendations for organizing competitions in the creative activities of future technology teachers.

The goals and objectives of the contests

- Stimulation of creative thinking: contests encourage education seekers to create original and innovative solutions.

- Developing practical skills: participation in competitions allows you to apply theoretical knowledge in practice.

- Building teamwork: competitions promote interaction between students, developing their skills in effective communication and cooperation.

- Increasing motivation: competitions create interest in the subject and help students discover their abilities.

Examples of competitions

- Project competition: participants create projects that solve current problems (for example, the development of textbooks, models of environmentally friendly technologies, etc.).

- Product Design Competition: students work on designing and creating products (clothes, accessories, wood products, etc.).

- Ideas Competition: students present their ideas for improving the educational process or technologies; projects are evaluated for their relevance and innovation.

- Best Teaching Competition: a simulation of lessons where students demonstrate their teaching methods and presentation of material; Jury evaluation for the use of technology and creative approach to teaching.

Competitions in the creative activities of future technology teachers in specialized schools not only stimulate creativity and motivation, but also help develop important professional skills. They create unique opportunities for sharing experiences and learning, which is an important aspect of training future specialists.

1.2. Hackathons are events where people, usually programmers, designers, and other professionals, come together to develop software or technology solutions within a set time frame, usually 24 to 48 hours [2].

The main goal of hackathons is to quickly create a working prototype or product that addresses a specific task or problem.

Key characteristics of hackathons:

- Teamwork: Participants usually work in teams, which promotes the exchange of ideas and joint problem-solving.

- Focus on innovation: Participants strive to find original and effective solutions to current problems, often using new technologies and methodologies.

- Time-limited: Hackathons are held for a limited time, which creates an atmosphere of rapid decision-making and active work.

- Presentation of results: After the hackathon, teams present their projects to a jury of technology and business experts, who evaluate the ideas on various criteria, such as innovation, feasibility, etc.

- Awards and recognition: Hackathons often offer prizes for the best teams, which contributes to additional motivation of participants.

Applications of hackathons:

- Hackathons can be organized by companies to develop new ideas and products.

- They are used in educational institutions to train students and develop practical skills.

- Such events are often held to solve social or environmental problems, as well as within the framework of government initiatives.

Hackathons are a great opportunity for participants to work on real-world tasks, develop their skills, and make connections in a professional environment [2].

2. Master classes: organize master classes on current technologies such as 3D modeling.

Workshops play an important role in the training of future technology teachers, as they contribute to the development of practical skills, creative thinking, and collaboration skills.

Goals and objectives of the master classes

1. Development of professional skills: mastering the methods and tools necessary for teaching technologies.

2. Formation of a creative approach: stimulation of innovative thinking and creativity in students.

3. Expansion of knowledge about modern technologies: acquaintance with new materials, tools and software.

4. Creation of conditions for teamwork: Formation of skills of interaction and joint problem solving.

Master classes in the creative activities of future teachers of technology in specialized schools are an indispensable tool for the formation of necessary competencies and skills. They contribute to the development of professional confidence, creativity and the exchange of experience in the educational process.

3. Project work: Implement project work where learners can work on real-world problems and propose solutions for local schools or communities.

Project work plays an important role in preparing future technology teachers, helping to develop professional skills, creativity, and the ability to solve practical problems. It provides students with the opportunity to apply theoretical knowledge in practice and form the necessary competencies for their future profession [3].

Goals and objectives of project work

- Development of practical skills: mastering the methods of design, construction and implementation of technological processes.

- Stimulation of creative thinking: encouraging a creative approach to solving problems and creating innovative solutions.

- Formation of teamwork skills: project work promotes cooperation and exchange of ideas between applicants.

- Adaptation to real conditions: preparation for working conditions in educational institutions and industry.

Examples of project work: development of teaching aids: creation of interactive educational materials for teaching technology in educational institutions; inclusion of modern technologies (e.g., videos, online courses); creation of a technology model: applicants develop and create models that can be used to demonstrate technologies; clothing design: development of a clothing collection using various technologies and techniques; creation of patterns, selection of fabrics and materials, sewing of products; environmentally friendly projects: development of projects on the use of recycled materials or creation of sustainable solutions, for example, products from secondary materials; integration of technologies in education: development of a project on the introduction of new technologies into the educational process (for example, the use of 3D printers, virtual reality, etc.); social projects: implementation of projects aimed at solving social problems, for example, improving conditions in educational institutions or promoting the development of technologies among young people.

Project work in the creative activities of future technology teachers of specialized schools contributes to the development of professional and personal competencies, helps to form creative thinking and practical skills. They create unique opportunities for applying theory in practice, which is especially important in preparation for future teaching activities.

4. Exhibitions and presentations: Support students in organizing exhibitions of their work and presentations to an audience, which will help them develop public speaking skills.

4.1. Exhibitions are an important element in the preparation of future technology teachers, allowing students to showcase their creative achievements, share experiences, and receive feedback from professionals and visitors. They also contribute to the promotion of ideas and innovations in the field of technology and education.

Goals and objectives of exhibitions

- Demonstration of creative achievements: an opportunity for students to present their projects and works, demonstrate their skills and creativity.

- Feedback: receiving feedback from teachers, specialists and the public, which helps in further development.

- Stimulating interest: exhibitions attract attention to the subject of technology, allowing to deepen interest in learning and development.

- Creating a community: exchange of experience between students, teachers and industry professionals, forming a network of contacts.

Exhibition formats

- Project exhibition: students present their projects completed within the educational process, including models, products, software, etc.; the opportunity for guests to vote for the best works.

- Thematic exhibitions dedicated to certain areas (for example, "Innovations in Education", "Environmental Technologies", "Design and Fashion"); participation of invited experts to conduct seminars and master classes.

- Design competition: an exhibition where students present their design products (clothes, accessories, wood or metal products); prizes for the best works are determined by the jury.

- Exhibition-fair: students not only show their works, but can also organize their sale, which helps to develop entrepreneurial skills and market understanding.

- Virtual exhibition: the use of technology to organize an online exhibition where students' works can be presented on a web platform; the opportunity to interact with participants from different regions.

Exhibitions of the creative work of future technology teachers at specialized schools not only help demonstrate the achievements of students, but also create a platform for interaction, exchange of experience, and acquisition of practical skills. They help inspire students for further development and research in the field of technology [3].

4.2. Presentation in the creative activities of future teachers of technology of a specialized school plays an important role in the education of students. It helps not only to illustrate information, but also creates a clear and interesting atmosphere for learning. Future teachers of technology can use various tools and methods to create presentations, such as PowerPoint, Prezi, Google Slides and others. The presentation can include illustrations, video materials, interactive tasks, as well as examples of practical work. This will help students better understand the material and apply it in practice. A creative approach to creating a presentation will attract the attention of students and make the learning process more interesting. Therefore, future teachers of technology of a specialized school can explore different methods of creating presentations, experiment with different formats and creative approaches in order to enrich the educational process and make it more interesting and productive for students [1].

Based on the above, it is possible to conclude that creative activity is an integral part of the training of future technology teachers, which contributes to the development of key competencies necessary for successful professional activity and prepares future technology teachers of specialized schools for the challenges of the modern educational environment.

References:

1. Innovative learning technologies in the context of modernization of modern education: monograph / edited by Dr. Pedagogical Sciences, Prof. L. Z. Rebukha. Ternopil: ZUNU, 2022. 143 p.

2. Kyrychenko V., Necherda V. Hackathon as a technology for forming a socially successful personality of a student. *Theoretical and methodological problems of educating children and student youth*: collection of scientific works. Kyiv: Institute of Educational Problems of the National Academy of Sciences of Ukraine, 2022. Issue No. 26. Book 1. P. 156-168

3. Melentyev O. B. Methodology of organizing creative activity of students: a textbook. Uman: ALMI, 2013. 156 p.