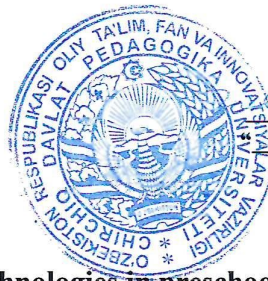


MINISTRY OF HIGHER EDUCATION,
SCIENCE AND INNOVATION
OF THE REPUBLIC OF UZBEKISTAN
CHIRCHIK STATE PEDAGOGICAL UNIVERSITY



“Confirmed”
Prorector Chirchik State
Pedagogical University
I.K.Khaydarov
“_____” **2023y**

“STEAM technologies in preschool education”
(SYLLABUS)

Area of expertise:	-100000 – education
Field of education:	-110000 – education
Direction of education:	- 60110200- Preschool education

CHIRCHIK-2023

Syllabus of the Council of Chirchik State Pedagogical University for 2023“ _____”
approved by Protocol No. _____

The compiler:

D.A.Mutalova

Z.H. Nasirova

teacher of the department of "Methods of preschool education"CHSPU
teacher of the department of "Methods of preschool education"CHSPU

Reviewers:

N.Sh. Abdullayeva

EPO- Institute of Retraining and Advanced Training of managers and Specialists. Head of the Department "Preschool and music Education"

Z.Y.Shanasirova

Head of the department "Methods of preschool education"

Curriculum (syllabus) of the department "Methods of preschool education" of the Faculty of Preschool Education of Chirchik State Pedagogical University for 2023“ _____” reviewed and recommended for approval at the meeting _____

Head of the Department:

Z.Y.Shanasirova.

Curriculum (syllabus) of the Council of the Faculty of Preschool Education of Chirchik State Pedagogical University for 2023“ _____” at the meeting no. _____

Dean of the Faculty:

K.M. Ibadullaev



**CURRICULUM
(SYLLABUS)**
**Faculty of Preschool
Education**
60110200 – Preschool education

General information		
subject: "STEAM technologies in preschool education"		
Code: Pris 1245	Number of credits:5	Term: 1
Department: Methods of preschool education		
Teacher:Mutalova Dilnoza Abdurashidovna		
E-mail: mutalova_dil@mail.ru		
subject: Obligatory		
Form of training:	Daytime	
Assessments:	Exam	
Language of instruction:	English	

Brief information about the discipline

Preschool education is based on methods and means of spiritual, physical, mental, economic, legal, environmental education of preschool children. The main stages of the organization of social preschool education in Uzbekistan, the main features and tasks of training highly qualified managers, methodologists, supervisors and educators in preschool education, methods and techniques, the main tasks of the department of preschool education - the principles of methodological guidance that make up the content of the educational program.

Learning outcomes

As a result of mastering this course, students:

- Plans to work with children; uses technology; carries out inclusive, non-traditional and integrated activities;
- To link science with practice; can provide children with an individual approach both in the activities of the center and beyond;
- Development of skills in the specialty, organizational and methodological qualifications in the educational process, the ability to apply knowledge in the process of raising children in the spirit of love for their native land, careful attitude to it;

Competencies formed based on the results of the course development (CC):-

Goals and objectives facing the future educator as the initial stage of education of a harmoniously developed generation for the future of Uzbekistan;

- the content of preschool pedagogy, its features, finding an educator of the educational process, as well as education of attitude to the profession. Professional characteristics of the educator and requirements for him;
- STEAM technology course in preschool education: to equip the future teacher with the national fundamentals of preschool pedagogical science;
- To develop in the course of training the skills of work in the specialty, organizational and methodological qualifications, the ability to apply the knowledge gained in practice in the process of raising children in the spirit of love for their native land, careful attitude to it.
- acquires knowledge, skills and abilities in the learning process. (CC-1); participation in research activities (CC-4).

Content of the discipline	
Lecture (L.)	
L1	STEAM educational technologies in preschool education
L2	Normative and methodological foundations of the use of STEAM educational technology in preschool education. STEAM educational technologies in preschool education
L3	Steam technology and project in Preschool education
L4	Foreign experience of using STEAM educational technology in preschool education
L5	The use of STEAM educational technology in the organization of an active developing environment in preschool educational organizations
L6	The use of STEAM educational technology in the integration of natural and artistic and aesthetic education in preschool education.
L7	C-Science. Organization of STEAM laboratories in preschool educational organizations.
L8	Technologies. The use of electronic educational resources in the implementation of educational technology STEAM.
L9	Digital competencies of preschool educators (digitization technologies)
L10	LEGO – construction, construction-as an educational STEAM module.
L11	Development of STEAM creativity and engineering skills in preschool children
L12	A-ART. Features from STEAM educational technologies.
L13	M-Mathematics. Mathematical development in preschoolers, intellectual abilities as an educational module.
L14	Fröbel's didactic system.
L15	"Cartoon Studio" as an educational STEAM module.
	Intermediate control
Type of lesson: Practical training (P)	

1 P	The essence of the use of STEAM educational technology in preschool education.
2 P	Normative and methodological foundations of the use of STEAM educational technology in preschool education. STEAM educational technologies in preschool education
3 P	Foreign experience of using STEAM educational technology in preschool education
4 P	Methods of practical application of educational technology STEAM
5 P	The use of STEAM educational technology in the integration of natural and artistic and aesthetic education in preschool education.
6 P	Steam technology and project in Preschool education
7 P	C-Science. Organization of STEAM laboratories in preschool educational organizations.
8 P	Technologies. The use of electronic educational resources in the implementation of educational technology STEAM.
9 P	Digital competencies of preschool educators (digitization technologies)
	Current control-2
10 P	LEGO – construction, construction-as an educational STEAM module
11 P	Development of STEAM creativity and engineering skills in preschool children
12 P	A-ART. Features from STEAM educational technologies.
13 P	M-Mathematics. Mathematical development in preschoolers, intellectual abilities as an educational module.
14 P	Fröbel's didactic system.
15 P	"Cartoon Studio" as an educational STEAM module.
	Intermediate control -2
Type of activity: Independent education	
S1	Foreign experience of using STEAM educational technology in preschool education
S2	Development and features of Steam in Uzbekistan
S3	Integration processes in educational technology STEAM
S4	STEAM and STEAM development. Turning and improving STEAM into STEAM.
S5	Creativity of the educator in the practical application of STEAM technology
S6	Educational technology STEAM. Using the Montessori technique

Organization of training

The module is organized through lectures and practical classroom classes, as well as independent learning activities of students. Lectures are held in an auditorium equipped with multimedia devices for streaming academic groups. When studying the discipline "preschool pedagogy", information technologies, various

presentations, multimedia technologies and modern teaching technologies, as well as interactive methods are used during classes. The practical audience fully masters theoretical and methodological concepts, pedagogical technologies are used. At the same time, the uniqueness of each topic is taken into account.

type of activity	Dedicated hours
Lectures	30
Practical exercises	30
Self-education	90
Total number of hours	150

Methods of control and assessment of students' knowledge in the discipline

Control and assessment of students' knowledge are carried out in the form of current, intermediate and final control, as well as assessment of students' self-education activities.

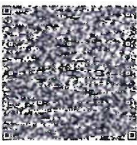
Current control it includes active participation in practical studies; participation in colloquiums (a form of oral control on certain topics, implying answers to analytical questions that require work with various sources of information); written tasks – analysis of literary material; preparation of lesson developments; presentations.

Intermediate control it is conducted in the middle of the semester for the purpose of intermediate assessment of students' knowledge, skills and abilities based on the results of mastering the first half of the training module. It is carried out in the form of written work, which takes 90 minutes to complete. The tasks for the intermediate control are distributed over 30 tickets, from which each student chooses 1 ticket, which includes 3 theoretical questions and 1 practical task for analyzing language material according to a pre-provided scheme. (20% of the total number of points.)

Evaluation of independent work it is carried out on the basis of the development of individual and group projects involving the study of educational and scientific literature on the chosen topic, the analysis of language material and the presentation of the results obtained in the form of a report and presentation. More detailed information about the topics of the projects is disclosed in the work program for the discipline. (50% of the total number of points.)

Final control it is conducted at the end of the module for the purpose of final assessment of students' knowledge, skills and abilities. It is carried out in the form of written work, which takes 90 minutes to complete. The tasks for the final control are distributed over 30 tickets, from which each student chooses 1 ticket, which includes 2 theoretical questions and 2 practical tasks for analyzing language material according to a pre-provided scheme. (30% of the total number of points.)

Changes and additions are allowed to these methods of monitoring and evaluating students' knowledge in the discipline.

Basic literature		
1.	Maxmutazimova Yu.R. Maktabgacha yoshdagi bolalarni kommunikativ kompetensiyalarini shakllantirish (STEAM ta'lim texnologiyasi asosida). T.: Turo-n-Iqbol. 2021.	
2.	Sh.A.Sodiqova "Maktabgachapedagogika" "Tafakkursarchashma lari" T.2013	
3.	N.M.Kayumova "Maktabgacha pedagogika" "TDPU" nashryoti T.2013y	
Additional literature		
1.	SH.M.Mirziyoev 2017-2021 yillarda maktabgacha ta'lim tizimini yanada takomillashtirish chora tadbirlari to'g'risida"gi qarori T.2016y 29-dekabr	
2.	Yusupova. P Maktabgacha tarbiya pedagogikasi.T.O'qituvchi.1993.	
3.	Xasanboyeva O.U. va bosh.Maktabgacha ta'lim pedagogikasi.T.Ilm ziyo.2006.	
4.	Sh.Shodmonova.Maktabgacha ta'lim pedagogikasi.fan va texnologiya.T.2008.	
5.	Xasanboyeva O.U. va bosh.Maktabgacha ta'lim pedagogikasi.T.Ilm ziyo.2006.	

Electronic resources:

1. <http://www.cspu.uz>
2. www.pedagog.uz
3. www.edu.uz
4. <http://ziyonet.uz>