CATALOGUE OF ELECTIVE DISCIPLINES
BACHELOR LEVEL
6B013-Teacher Preparation without subject specialization (Pedagogy and method of primary education with multilingual education)

Abbreviated names of the cycles of disciplines	Name of disciplines and their main sections	Workload Total number of credits
GED 1	**CYCLE OF GENERAL EDUCATIONAL DISCIPLINES (GED)**	
1	**Economy and Business Fundamentals**	5
	Conceptual fundamentals of history study. The path to Independence. Civil and political confrontation. Soviet model. Consequences of the Soviet reforms of the twentieth century. The policy of «Perestroika». Formation of government. Kazakhstani model of economic development. Social modernization. Ethno-demographic processes. Social and political development prospects. The policy of forming new historical consciousness. Kazakhstan in the modern world. N.A. Nazarbayev - a person in history. Formation of a nation of the united future.	
2	**Russian (Kazakh) language**	5
	Kazakh language Skills of correct usage of vocabulary, scientific terms, syntactic constructions in oral and written communication; conversation skills. For business communication - writing skills, reports, reviews, essays; meaningful reading of texts, the ability to convey the thoughts. In everyday and professional speech situations - teach free communication in various conversations, develop the ability to continue a conversation, a discussion. Russian language. Russian language as a means of communication and its role in the formation of a socio-cultural worldview at the level of language proficiency. The syntax of the Russian language on a given thematic material. Functional styles of speech as a historically established system of speech means used in the field of human communication; variety of literary language.	
3	**Foreign language**	5
	Foreign language Social sphere of communication. I and my family. Human and health. Socio-cultural sphere of communication. World map. Customs and traditions. Educational and professional communication: Future profession. Holidays. Modern dwelling. Family in modern society. Cultural and historical background. Education. My profession. Human and nature, environmental problems. News, media, advertising.	
4	**Ecology and Sustainable Development**	5
	The role of ICT in key sectors of the society development. Standards in the field of ICT. Introduction to computer systems. Architecture of computer systems. Software. Operating systems. Human-computer interaction. Database systems. Data analysis. Data management. Networks and telecommunications. Cybersecurity. Internet technologies. Cloud and mobile technologies. Multimedia technologies. Smart technology. E-technologies. Electronic business. Electronic training. Electronic government. Information technologies in the professional	

	sphere. Industrial ICT. Prospects of ICT development.		
	CYCLE OF BASIC DISCIPLINES (OBD)		
5	**Management in Education and Electronic Documenting**	5	
	Scientific and methodological foundations of pedagogical management. Intra-school management. Patterns and principles of school management. Functions and methods of pedagogical management. Information technology in management. Leadership styles. Ethics and management culture. Marketing. Competitive ability to organize education. Electronic journal of keeping records, automatic distribution of classes, completed documents and reports, monitoring visits of teachers and students, etc.		
6	**Organising Teaching and Learning in Primary School**	5	
	The educational process as a whole system and phenomenon. Content, objectives, principles of training. The concept of the pedagogical system. The essence of the educational process. Pedagogical interaction.		
7	**Inclusive Education**	5	
	Role of inclusive education in social and educational policy. Regulatory support, models, forms, types of inclusive education. Psychological and pedagogical problems of training and education of children with disabilities in inclusive education. Psychological and pedagogical technologies of work with children with disabilities and with their families. Interaction with teachers and psychologists in the organization of inclusive education.		
8	**Special Pedagogy Fundamentals**	5	
	Special pedagogy as a scientific direction of general pedagogy. Basic concepts and concepts of special pedagogy. The development of the conceptual apparatus of special pedagogy, a humanistic orientation. Actual problems of special pedagogy and psychology. Psychological analysis of dysontogenesis. Psychology of children with mild deviations in mental development (with mental retardation). The problem of diagnosis correction and training of children with developmental disabilities.		
9	**Technologies of criteria-based assessment**	5	
	Modern means of learning outcomes assessment. Problem of assessment. Model of criteria-based assessment technology. Principles of assessment. Stages and tools of assessment. Formative assessment and summative (internal and external) assessment. Moderation of the results of summative assessment. Age criteria for educational results assessment. Self-esteem and mutual assessment. Assessment of pair and group work. Pedagogical tasks portfolio. Functions and content of portfolio.		
10	**Contemporary Methods in Assessing Learning Outcomes**	5	
	Modern tools for learning outcomes. Assessment of the problem. The model of criteria-based evaluation technology. Principles of assessment. Stages and assessment tools. Formative assessment and final assessment (internal and external). Moderation of the results of the final assessment. Age criterion for assessing learning outcomes. Self-esteem and mutual evaluation. Evaluation of couples and group work. Portfolio of pedagogical assignments. Portfolio features and composition.		

11	**Fundamentals of Musical-Practical Activities and Vocal and Choral Performance**		6
	Fundamentals of notation, elementary theory of music. Goals and objectives of musical and practical activity. The most effective methods and techniques of musical practice. Fundamentals of vocal and choral performance. Singing in a choir as the most accessible form of musical performance. Theoretical foundations of vocal and choral performing activities. Singing, singing breath, sound and resonance, sound attack, sound science. Diction in the choir, dynamics and agogics, intonation. Artistic presentation of a piece of music.		
12	**Vocal and Choral Education**		6
	Basics of music, simple music theory. Goals and objectives of musical practice. The most effective methods and methods of musical practice. Basics of vocal choral performance. Singing in a choir is the most accessible form of musical performance. The theoretical foundations of vocal choral performance. Singing, singing, sounding and resonance, sounding, soundtrack. Dock, dynamics and dexterity in the choir, intonation. Artistic expression of the work.		4
13	**Instrumental Preparation (dombra, piano, bayan, accordion)**		4
	The story of the creation of a musical instrument. Setting the gaming machine, a sense of freedom for the instrument. Characterization of musical sound, musical notation in two keys, letter designation of sounds. Basic techniques of playing a musical instrument (both motor and sound extraction techniques). Competent analysis of musical text, meaningful and expressive performance of simple works from the repertoire. Skills of ensemble music playing and simple accompaniment		5
14	**Instrumental Preparation**		5
	The history of a musical instrument. Setting up a gaming instrument. Characteristics of musical sound, recording notes. The main ways to play musical instruments. Literary analysis of the text, meaningful and expressive writing of works in the repertoire. Skills of the game and simple accompaniment skills in the ensemble.		5
15	**Updated Language Education Bases of Younger Schoolers**		5
	The main patterns and facts of the system of language knowledge in the updated education of primary school children. The most important linguistic concepts. The social significance of the language. Language units: sound, phoneme, word, morpheme, phraseological combinations, sentence and text. Orthoepy and spelling. Syntax. A culture of speech. Speech activity and its types. Language skills required for primary school children. Dialogue. Monologue. Public performance.		3
16	**Bases of Modern Kazakh (Russian)**		3
	The concept of the foundations of modern Kazakh (Russian). Methodological foundations of teaching the foundations of modern Kazakh (Russian). New approaches in primary education and methods of teaching the Kazakh language. Methods of teaching language units with lexical topics. Methods of		4

	teaching pronunciation of words correctly and competently in the teaching of phonetic topics. Ways to study language units based on morphology and syntactic learning. Methods of teaching text and its types. The development of students' critical thinking through the use of new technologies for teaching the Kazakh language (Russian language) in elementary school.	
17	**Updated Mathematical Education Bases of Younger Schoolers**	4
	The subject, tasks, principles and methods of the foundations of mathematics. Mathematics is the science of structures, spatial forms and numerical relations, logical constructions. Elements of set theory, graphs, mathematical logic, combinatorics, probability theory and mathematical statistics, algorithms. Number systems and divisibility relations in the set $Z_o = N_o$; system of mathematical exercises (tasks and the process of solving it, examples; entertaining, game and non-standard tasks). Numeric sets: non-negative integers $(Z_o = N_o)$, integers (Z), rational numbers (Q), real numbers (R), complex numbers (C). Elements of algebra and geometry. Values and their measurement.	5
18	**Fundamentals of Mathematics**	5
	The subject of mathematics, problems, principles and methods. Mathematics is a science, structures, spatial forms and quantitative relations, logical concepts. Assemblies, graphs, mathematical logic, combinator, probability theory and mathematical statistics, elements of the theory of number system algorithms and $Z_o = N_o$ separation relations; mathematical system of training (process of calculation and decision making, examples, interesting, game and non-standard tasks).	5
19	**Updated Inquiry Education Bases of Younger Schoolers**	5
	Nature as an object of study of modern science. The Universe and the Earth: a general idea of the Solar system, the motion of the Earth, the geophysical fields of the Earth. Lithosphere. Hydrosphere. Atmosphere. Biosphere. The variety of living organisms. Fundamentals of the structure of a living organism. Variety of plants. Variety of animals. Invertebrates, vertebrates. Organisms and the environment. Zone biomes. Geographic Shell. The study of the terrain, nature, history, population, economy, culture, art and other aspects of life of the peoples of the Republic of Kazakhstan.	4
20	**Fundamentals of Natural Sciences**	4
	Scientific and methodological foundations of natural sciences. Methodological foundations of the methodology of teaching "Natural Sciences" in the updated content. Methods of scientific and experimental work. Features of the discipline "Natural Sciences". A system for evaluating the achievement of planned results. Monitoring and evaluation of the results of science education. Methodology of teaching natural sciences. The control. Modeling. Map as an environmental recognition tool. Experimental activities of children. Formation of concepts. Forms of teaching natural sciences: lessons, excursions, extracurricular activities. Information and educational environment of natural sciences. Modern educational technologies in the teaching of natural sciences.	
21	**Methods of Teaching ICT with Updated Content**	4

	In the process of teaching information and communication technologies, future teachers form practical skills and abilities necessary for organizing the process of teaching in primary school using ICT. Work with programs for subjects studied in primary school.Work on the Internet. Basic concepts. Connection Browsers. Computer networks. Netiquette and security Information exchange through computer networks. The Internet, mail, storage and exchange of information. Mail client. Storage, cloud, hyperlinks. Text, audio, video information. The Internet in the practice of primary school teacher. On-line games and simulators. Electronic encyclopedias, interactive tutors, interactive tours, electronic tests, crosswords, games. Creation and features of working with digital didactic resources. Creating multimedia, video, audio learning tools. Frame shooting and dubbing. Audio, recording and playback, insertion into the program presentations or video editors. Creating an audiobook and the use of audio in the practice of the teacher. Development and usage of test materials. Simulators, tests, surveys, etc. Interactive board in the educational process NIS. Software for interactive devices - ACTIVinspire. Import files from PDF, digital cameras, scanner, document camera, PowerPoint presentations in the form of drawings, PowerPoint presentations in the form of objects (slides), SMARTNotebook files, SMART Gallery element files, ExamView XML files, IMS QTI XML files and resource bundles . SMART Notebook software. Create interactive materials for ACTIVboard (Promethean manufacturer) and SMARTboard (Polymedia manufacturer).	
22	**Methods of Teaching ICT**	4
	Design, conducting and analyzing lessons on sections and subsections of the ICT discipline in grades 1-4: «Computer» - subsections: computer devices; software; security. «Presenting and processing of information» - subsections: texts; graphics; presentations; multimedia. «Working on the Internet» - subsections: search for information; information exchange. «Computational thinking» - subsections: algorithms; programming. «Robotics» - subsections: general robotics; the movement of a robot; sensors and motors. Graphic Paint editor in Microsoft Windows. MicrosoftWord. Work with text editor Word. Microsoft Power Point. Creating presentations and working with slides. Presentations. Seal. Microsoft Office Excel. Basic techniques for working with Microsoft Office Excel documents.	
23	**Methods of Teaching English with Updated Content**	5
	Techniques of sound-syllable analysis and synthesis while mastering the positional principle of reading: reading syllables and words by reference points. Ways to improve the cognitive activity of schoolchildren in the period of teaching literacy. The development of schoolchildren's speech in the period of teaching literacy: working on a word, a sentence, connected speech. The requirement for schoolchildren to read at the end of the period of teaching literacy. The disadvantages of reading, their reasons. Ways to eliminate them. Tasks and content of teaching writing. Stages of the formation of writing skill in children. Methods of teaching writing. Graphic and calligraphic errors of schoolchildren and ways to eliminate them. Types of activities in writing classes during the period of teaching literacy: cheating off the board, tables, printed texts. Writing words from dictation with preliminary sound-syllable analysis. Pronunciation of the words to be written. Types, options and structure. Integrated literacy lessons. Educational and cognitive tasks of the lessons.	
24	**Methods of Teaching English**	5

	The methodology of teaching "English" as a science and subject. The objectives and content of teaching English. Principles and training tools. The phonetic aspect of teaching a foreign language. The lexical aspect of teaching a foreign language. The grammatical aspect of teaching a foreign language. Listening. Reading. Speaking. Written work. Foreign language lesson.	
25	**Methods of Teaching "World Cognition" with Updated Content**	5
	The characteristics of the teaching methodology for the updated content of the discipline "Cognition of the world" as a branch of pedagogical science and a subject. The content of the subject, the planned learning outcomes. The methodology of the formation and development of social science and human science representations and concepts in younger students. Forms of educational organization and teaching methods of the updated content of the discipline "Cognition of the world" Observation. Organization of project activities. Extracurricular work: concept and types, principles, characteristics, organization and conduct. Testing and evaluation of knowledge and competency-based learning outcomes. Learning tools and methods of their use. Modern educational technologies in teaching the subject Cognition of the world.	
26	**Methods of Teaching World Cognition**	5
	The origins of learning to know the world. The pedagogical views of teachers of the past and present, the theory and practice of teaching world cognition of the peoples of the East and West, Kazakhstan and Russia in different periods. The subject and tasks of the theory and technology of teaching PM. Research methods in teaching methods. Historical method. The study of mass experience. Pedagogical observation. Pedagogical experiment. The principles of selecting the content of educational material "scientific, accessibility, systematic, consistent." The structure of the subject "Cognition of the world" in particular educational material from "Acquaintance with the outside world" and "Natural History". The formation of natural representations and concepts. Learning methods and techniques in the course "Cognition of the World": their classification.	
27	**Methods of Teaching Physical Education with Updated Content**	4
	General principles of teaching methods of the updated content of the discipline "Physical Culture". The system of physical education. The principles of explicit culture. Updated content of the discipline "Physical Culture". Means and methods of teaching physical culture. Personal development in the process of physical education. In children of age and physiological characteristics of primary school children in the organization of physical education. Learning the motor actions of primary school children. Planning, organizing and conducting lessons and extracurricular activities for primary school physical education.	
28	**Methods of Teaching Physical Education**	4
	General principles of teaching the discipline "Physical Culture". The formation of the theory of physical education. Physical exercise. Natural forces of nature. Description of the main types of exercises. The system of physical education. The principles of physical education. Methods and means of teaching the discipline "Physical Culture". The development of personality in physical education. Age and physiological characteristics of primary school children in physical education. Teaching children behavior in primary school age.	
OC 3	OPTIONAL COMPONENT (OC)	
29	**Module of new approaches to teaching and learning**	5

	Interdisciplinary approach in training of pupils of initial classes. Interdisciplinary approach in education. Levels of students ' actions in the lesson on metasubject. Metasubject skills or universal learning activities. Technology and methods of formation of meta-subject competencies. Signs of a metasubject lesson. The stages of building a meta-scenario class. Metasubject results of development of the basic educational program. Evaluation of metasubject results.	
30	**The development of functional literacy of junior schoolchildren**	5
	Subject, goals and objectives of the course "development of functional literacy of primary school students". The problem of formation of functional literacy in younger students. Methods of development of subject components of functional literacy (language, literary, mathematical, natural science). Contribution of each subject of the primary school curriculum to the formation of integrative components of functional literacy (reading, communication, information, social). Methods and forms of organization of training that contribute to the successful development of functional literacy.	
31	**Bases of dual training**	5
	Subject, goals and objectives of the course "Fundamentals of dual training". "Theoretical bases of dual training in high school". The main problems of dual training. History of dual education. Dual training: Western models and Kazakhstan realities. Conceptual approaches,principles, main categories. The relationship of dual training and practice-oriented education. Dual educational environment. The trajectory of dual educational programs. Methodological framework of the dual education.	
32	**Modern pedagogical technologies of primary education**	5
	Subject and objectives of the course. The concept of pedagogical technology. Genesis and definition of "pedagogical technology". Technological scheme and technological map. Types of pedagogical technologies. Modern General technical technologies in primary education, their characteristics and analysis. Innovative technologies of the educational process. Technologies on the basis of humanization and democratization of pedagogical relations. Didactic game. Technologies based on the effectiveness of management and organization of the educational process. Selection of training tasks in the organization of algorithmic training. Test technology. Active learning technology. Interactive technology.	
33	**Integrated teaching of primary school subjects**	5
	Features of integrated learning in primary school. Content integration (in training). The integration of the content of educational material. Technology of content integration and features of the educational process. Integration as a category of school education methods. Integrated approach to building the content of education in primary school. Forms of organization of the educational process, implementing interdisciplinary integration. Integrated lesson.	
34	**Oratorical art**	5
	The subject and functions of oratory. The main shortcomings and problems of modern public speech. Historical and theoretical foundations of oratory. Scientific requirements for the speaker as the Creator of speech. Types of speeches and the image of the speaker. Basic requirements for the speech etiquette. Language and style of public speaking. Literary norm and language of public speech: aspects of mutual influence. Discussion (polemic) as a type of speech activity. Requirements for the speaker's voice. Requirements for gestures, posture, facial expressions of the speaker. Requirements of rhetoric to professional activity.	