

# Certificate

00837

Is hereby granted to

**Bagrintseva Olga**

In formal recognition of the completion of the online-course  
«Easy to learn: Neuropsychology in early childhood and school»

**February 7 – April 9, 2022, 72 h.**

**Tatsiana Sarakavik**

Executive Director of the International Centre for  
Educational Technologies (ICET),  
Head of the educational online platform SKLAD,  
Candidate of Pedagogical Sciences



**Nadezhda Mazurova**

Professor, Doctor of Psychology, WHO family expert in the  
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Association

# APPENDIX TO CERTIFICATE 00837

## Online-course «Easy to learn: Neuropsychology in early childhood and school»

07.02.2022 - 09.04.2022, 72 h.

### Module I. Foundations of a neuropsychological approach to describing brain morphology and function

**Lesson 1.** What is neuropsychology. The history of development and major trends

**Lesson 2.** Cerebral membranes, cranial nerves, and the overall structure of the CNS

**Lesson 3.** Brain stem and intermediate brain. The oldest activating centres of the nervous system. "The house of emotion"

**Lesson 4.** Occipital, parietal and temporal cortex. "The library of the brain"

**Lesson 5.** Prefrontal cortex. Main fields and their functions. "Supervisor and controller"

**Lesson 6.** Luria's theory of the functional units of the brain

### Module II. Age-specific stages in the formation and development of human mental functions

**Lesson 1.** The child is born. What is his brain and what can he do? Hereditary and congenital features of the development of the central nervous system

**Lesson 2.** The unfolding of the child's mental development programme in the first year of life. Why is this period so important?

**Lesson 3.** Early mental development of the child (from 1 to 3 years of age). Uneven growth of the individual brain structures. Stages of mental development and crisis periods

**Lesson 4.** Development of the psyche during the preschool period. The role of neuropsychological methods in the learning and development of the preschool child

**Lesson 5.** Brain maturity and a child's readiness to enter school. Features of development of the central nervous system during the school period. Adolescent problems and their causes

**Lesson 6.** How does the adult brain work? Why is it difficult to solve the problems of the child stages in adulthood?

### Module III. Disorders of the structure and function of the central nervous system

**Lesson 1.** The first functional unit of the brain. Syndromes of deficits in stem and subcortical structures. Issues of attention and efficiency

**Lesson 2.** The second functional unit of the brain. Problems of information decoding and storing. Agnosia and amnesia

**Lesson 3.** Modal and non-modal areas of the brain. The corpus callosum. Issues of unformed interaction between brain structures

**Lesson 4.** The problem of laterality: "right-handed" and "left-handed" children

**Lesson 5.** Third unit of the brain. Syndrome of "frontal insufficiency"

**Lesson 6.** The brain and speech. Types of speech disorders and their representation in the central nervous system

**Lesson 7.** Morphology and functioning of the CNS in autism spectrum disorders

### Module IV. Basics of neuropsychological diagnosis

**Lesson 1.** Organization and requirements for the procedure and methods of a neuropsychological examination

**Lesson 2.** Techniques for individual and group neuropsychological diagnosis in pre-school children

**Lesson 3.** Techniques for individual and group neuropsychological diagnosis of the development of pupils in grades 1-4

### Module V. Neuropsychological correction - a workshop on the development of the functional units of the brain

**Lesson 1.** What is neuropsychological correction. General principles of neuropsychological correction

**Lesson 2.** Practical training in the development and correction of the first brain block

**Lesson 3.** Practical training in developing and correcting the second brain block

**Lesson 4.** Practical training in developing and correcting the third brain block

### Module VI. Using neuropsychological correction methods in the work of preschool and school teachers

**Lesson 1.** Typical problems of preschool and primary school pupils in mastering an educational programme, their connection with neuropsychological factors. Ways of correction

**Lesson 2.** Examples of classes in the kindergarten using neuropsychological methods

**Lesson 3.** Examples of classes in a primary school using neuropsychological methods

### Final work on designing a lesson plan using a neuropsychological approach



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