

Certificate

00959

Is hereby granted to

Oksana Parkulab

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 Center for
Educational Technologies (ICET),
Head of the educational online platform SKLAD,
Candidate of Pedagogical Sciences



ICET
International Centre
for Educational Technologies

APPENDIX TO CERTIFICATE 00959

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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Nadezhda Mazurova

Professor, Doctor of Psychology, WHO family expert in the HBSC programme, member of the British Psychological Association