

COMPUTER PROGRAM DESIGN FOR CATEGORICAL PRESENTATION OF FIGURATIVE ARTICLES FOR COHERENT SPEECH DEVELOPMENT

Ivanova N.N., Krasilschikova A.A., Artemenkov S.L.

Moscow State University of Psychology and Education
Information Technology faculty
Russia, 107143, Moscow, Otkritoe Shosse, 24/27.
Tel.:(8221)656-72, E-mail: nanik-dubna@list.ru

A major part of methods of children speech education is based on special exercises, which use various figurative articles. These methods are sufficiently effective as they are activating child's motivation. Usage of picturesque memory helps to develop associative connections between words, their phonation and sense and so to cope with a speech as a whole. Usage of images has also vital importance in speech education of people with speech abnormality or delayed development of speech.

In the procedure of coherent speech development offered by MSUPE lecturer Ivanova N.N. a person is developing his speech skills through mastering of correct speech logic and ability to classify categorically fixed images of different objects and their contexts. Initial variant of the procedure includes a big number of paper cards with pictures of different object (articles). At that the speech education work is very labour-intensive and in order to support pupil's attention and needed rate of learning of words, notions and their interconnections, practical realization of the procedure requires a huge paper set of figurative articles. Thus the conversion of the paper technology to computer is well-grounded in contemporary technical conditions of education.

Thereupon the aim of the present work was to create interactive computer program for categorical presentation of figurative articles for coherent speech development. The program developed by the authors not only spares paper work, it provides for regulation, expansion and storage of figurative articles, fixation of exercise data, making marks and as a result to trace the dynamics of pupil's development from lesson to lesson. The program works with multimedia library, containing a set of edit-directed pictures of articles, listed according to appropriate learning headings and tasks. The pupils see a sequence of cards with images of well-known articles in different contexts. Each card is devoted to one article presented in two types of categorical contexts: in context of its environment and itself as a context for its parts and properties. The work of the teacher is then organized using these categorically structured images and founded on development of the skills to analyze, synthesize, compare, abstract and generalize of different context relations.

Common use practice of the program has shown that computer realization of the procedure may increase the effectiveness of the coherent speech development studies of children and people with speech abnormalities. Thus the worked out program for categorical presentation of figurative articles for coherent speech development may become a useful instrument in professional practice of a specialist-psychologist or a speech therapist.