

Hypermedia Applications for Children Educators

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Summary:

Part I -- *The Evolution of Children Drawing*

The main goal of this application is to support adult learning in self-learning contexts. The target group of adults which can benefit from this application includes psychologists, students of psychology and general educational scientists, as well as professionals in artistic fields. It will also be useful to Pre-school and Primary school teachers. The application has 4 main topics: General Introduction to Graphical Activity in Children; Scribbling; The Development of the Representation of the Human Figure; The General Developmental Stages of Children's Drawing.

Part 2 -- *Early Mathematics - The Child's Construction of Number*

This application aims at illustrating some of the main works of Jean Piaget, namely his theoretical approach, methodological procedures and several of his classic experiments in this field.

The information is organized in two main Topics: About Jean Piaget, containing biographical and bibliographical data, methodological principles and a brief glossary of the key concepts of his general theory of the child's development: The Child's Construction of Number, subdivided in the following subtopics: Conservation of Quantities, One-to-One Correspondence, Seriation, Class Inclusion. This Topic is organized around the classic experiments of Jean Piaget in this field, with a description of each experiment supported by visual material, and the conclusions drawn from each of them.

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