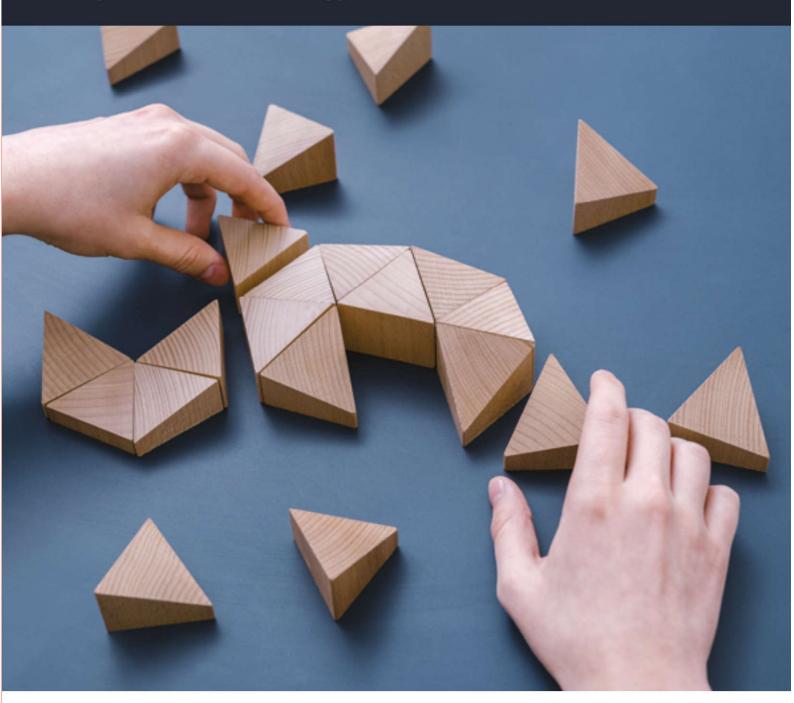
ANALOGUE GAME FOR DIGITAL MINDS

Logifaces methodology workbook



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Introduction



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General Introduction

The main objective of the *Analogue game for digital minds – Logifaces methodology* project was to create new visual study material for mathematics, science and art education. The project is based on Logifaces, which is a spatial geometry, logic and sensorimotor skill development game.

The novelty value of Logifaces lies in the three dimensional shift compared to the two dimensional nature of traditional logic puzzle games. Contrary to the majority of traditional and contemporary logic games and school toolkits, Logifaces deals with spatial geometry. Instead of using colours, with different shapes Logifaces focuses on all three dimensions. The end result in the game is a tactile spatial surface highlighting the relationship between basic geometry and complex organic forms. A further important feature of the game from the point of view of STEAM subjects is its artistic value. The nature of light-shadow effects can be studied through the variously sloping blocks. In addition the continuous surface resembles ancient reliefs.

The Logifaces book contains Art, Mathematics, Science and Interdisciplinary exercises. We placed great emphasis on the connection between various subjects and subtopics to accentuate the STEAM nature of the exercises. Each exercise can be found on the GeoGebra website (geogebra.org) too in pdf format.

The methodology book was created by teachers, artists, theorists and educational professionals. The five partner organisations (from Austria, Finland, Hungary, and Serbia) come from various regions of Europe and operate in different education systems. The different approaches greatly enriched the results; however, the STEAM approach was always a common basis. Here we would like to thank all of them for their hard work and enthusiasm despite the difficulties of the Covid-19 situation.

Development of the methodology does not stop here, and we are open to new ideas! Please contact us at daniel@planbureau.hu

DÁNIEL LAKOS and ESZTER LOSONCZI (editors)

