

Dániel LAKOS – Eszter LOSONCZI (ed.)

# ANALOGUE GAME FOR DIGITAL MINDS

Logifaces methodology workbook



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LOGI  
FACES



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# Analogue Game for Digital Minds

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*Logifaces methodology workbook*



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# Introduction

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## **Coordinator:**

Planbureau Ltd, Budapest, Hungary, [logifaces.com](http://logifaces.com)

contact: Dániel Lakos, [daniel@planbureau.hu](mailto:daniel@planbureau.hu)

## **Partners:**

Experience Workshop, Jyväskylä, Finland

Lauder Javne School, Budapest, Hungary

Linz School of Education, Johannes Kepler University, Linz, Austria

Petro Kuzmjak Primary and Secondary School with Boarding School, Ruski Krstur, Serbia

Akademisches Gymnasium, Vienna, Austria



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daniel@planbureau.hu

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#### **AUTHORS OF PAPERS AND WORKSHEETS**

**Branko ANDJIC PhD**, Researcher, Linz School of Education, Johannes Kepler University, Linz, Austria

**Dorottya BERINGER PhD**, Mathematician and Mathematics teacher

**Tatjana BUCKO-RAC**, Mathematics teacher, Petro Kuzmjak Primary and Secondary School with Boarding School, Ruski Krstur, Serbia

**Natalia BUDINSKI**, Mathematics teacher, Petro Kuzmjak Primary and Secondary School with Boarding School, Ruski Krstur, Serbia

**Margit Ilona FARKAS**, Mathematics teacher

**Dr Kristóf FENYVESI**, Researcher of STEAM learning, Experience Workshop / University of Jyväskylä, Jyväskylä, Finland

**Julia HANDL**, PhD student, Linz School of Education, Johannes Kepler University, Linz, Austria

**Tereza KATONA**, Science teacher, Petro Kuzmjak Primary and Secondary School with Boarding School, Ruski Krstur, Serbia

**Matias KAUKOLINNA**, Mathematics and Science teacher, Experience Workshop, Jyväskylä, Finland

**Leena KUORIKOSKI**, Art teacher, Viitaniemi School, Experience Workshop, Jyväskylä, Finland

**Dániel LAKOS**, Designer, Assistant Professor, Moholy-Nagy University of Art and Design, Budapest, Hungary

**Dr Zsolt LAVICZA**, Professor in STEM Education Research Methods, Linz School of Education, Johannes Kepler University, Linz, Austria

**Konrad SCHWARZ**, Science teacher, Akademisches Gymnasium, Vienna, Austria

**Merja SINNEMÄKI**, Mathematics teacher, Experience Workshop, Viitaniemi School, Finland

**Eleonóra STETTNER PhD**, Mathematician, Associate Professor – Kaposvár University, Kaposvár, Hungary

**Ildikó SZARVAS**, Art teacher, Lauder Javne School, Budapest, Hungary

**Veronika SZAUDER**, Mathematics teacher, Philologist in Pedagogy

**Réka SZÁSZ**, Mathematics teacher, Lauder Javne School, Budapest, Hungary

**Aliz SZIRTES**, Art teacher, Lauder Javne School, Budapest, Hungary

**Eva ULBRICH**, Research assistant, Linz School of Education, Johannes Kepler University, Linz, Austria

**Robert WEINHANDL**, Mathematics teacher, Akademisches Gymnasium, Vienna, Austria

**Anna ZINKL**, Mathematics and Science teacher, Akademisches Gymnasium, Vienna, Austria

#### **PROOFREADERS**

**Dorottya BERINGER PhD**, Mathematician and Mathematics teacher – Mathematics exercises

**Margit Ilona FARKAS**, Mathematics teacher – Mathematics exercises

**Dániel LAKOS**, Designer, Assistant Professor, Moholy-Nagy University of Art and Design, Budapest, Hungary – Art and Interdisciplinary exercises

**Eszter LOSONCZI**, Art Historian - Art and Interdisciplinary exercises

**András PASZTERNÁK PhD**, Science Communication Manager, Csopa Science Center, Budapest, Hungary – Science exercises

**Veronika SZAUDER**, Mathematics exercises, Philologist in Pedagogy – Mathematics exercises

#### **LANGUAGE REVIEWERS**

**Iain COULTHARD** (Studies, Art, Science and Interdisciplinary exercises)

**Márta MATTHEWS** (Mathematics exercises)

#### **EDITORS**

**Dorottya BERINGER PhD**, Mathematician and Mathematics teacher

**Natalia BUDINSKI**, Mathematics teacher, Petro Kuzmjak Primary and Secondary School with Boarding School, Ruski Krstur, Serbia

**Margit Ilona FARKAS**, Mathematics teacher

**Eszter KOVÁCS**, Project coordinator, Experience Workshop, Jyväskylä, Finland

**Nóra SOMLYÓDY**, Coordinator of Innovative Educational projects, Experience Workshop, Jyväskylä, Finland

**Veronika SZAUDER**, Mathematics teacher, Philologist in Pedagogy

**Réka SZÁSZ**, Mathematics teacher, Lauder Javne School, Budapest, Hungary

#### **GEOGEBRA ILLUSTRATIONS**

**Eva ULBRICH**, Research assistant, Linz School of Education, Johannes Kepler University, Linz, Austria

**Viviana AHARONIAN**, Mathematics teacher

#### **PHOTOS**

**Leena KUORIKOSKI**, Art teacher, Viitaniemi School, Experience Workshop, Jyväskylä, Finland

**Máté LAKOS**, photographer

**Beáta SOMODY**, Art teacher, Csík Ferenc School, Budapest, Hungary

**Ildikó SZARVAS**, Art teacher, Lauder Javne School, Budapest, Hungary

**Aliz SZIRTES**, Art teacher, Lauder Javne School, Budapest, Hungary

**Eva ULBRICH**, Research assistant, Linz School of Education, Johannes Kepler University, Linz, Austria

#### **GRAPHIC DESIGN**

**Kata HOLLÓS**

**Zsófia MÁTRAVÖLGYI**





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# General Introduction

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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](http://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](mailto:daniel@planbureau.hu)

*DÁNIEL LAKOS and ESZTER LOSONCZI (editors)*



