

Creating an online exhibition with Free Software tools

Dr Artemis Yagou

Deutsches Museum (Munich)

www.yagou.gr

SFSCON, Bolzano, 7 November 2025

Key issues/Questions

**How can we render historical museum collections
more inclusive, relevant,
and accessible to wider audiences?**

**How can digital tools and media
support us in telling new stories?**

**Case study: Creating an online exhibition
based on collections of technical toys**

Examples of best practice

<https://www.unimuseum.uni-tuebingen.de/en/exhibitions/online-exhibitions>

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MUT-OBJECTS DIGITAL

Also in VR

[home](#) > [Exhibitions](#) > [Online Exhibitions](#)

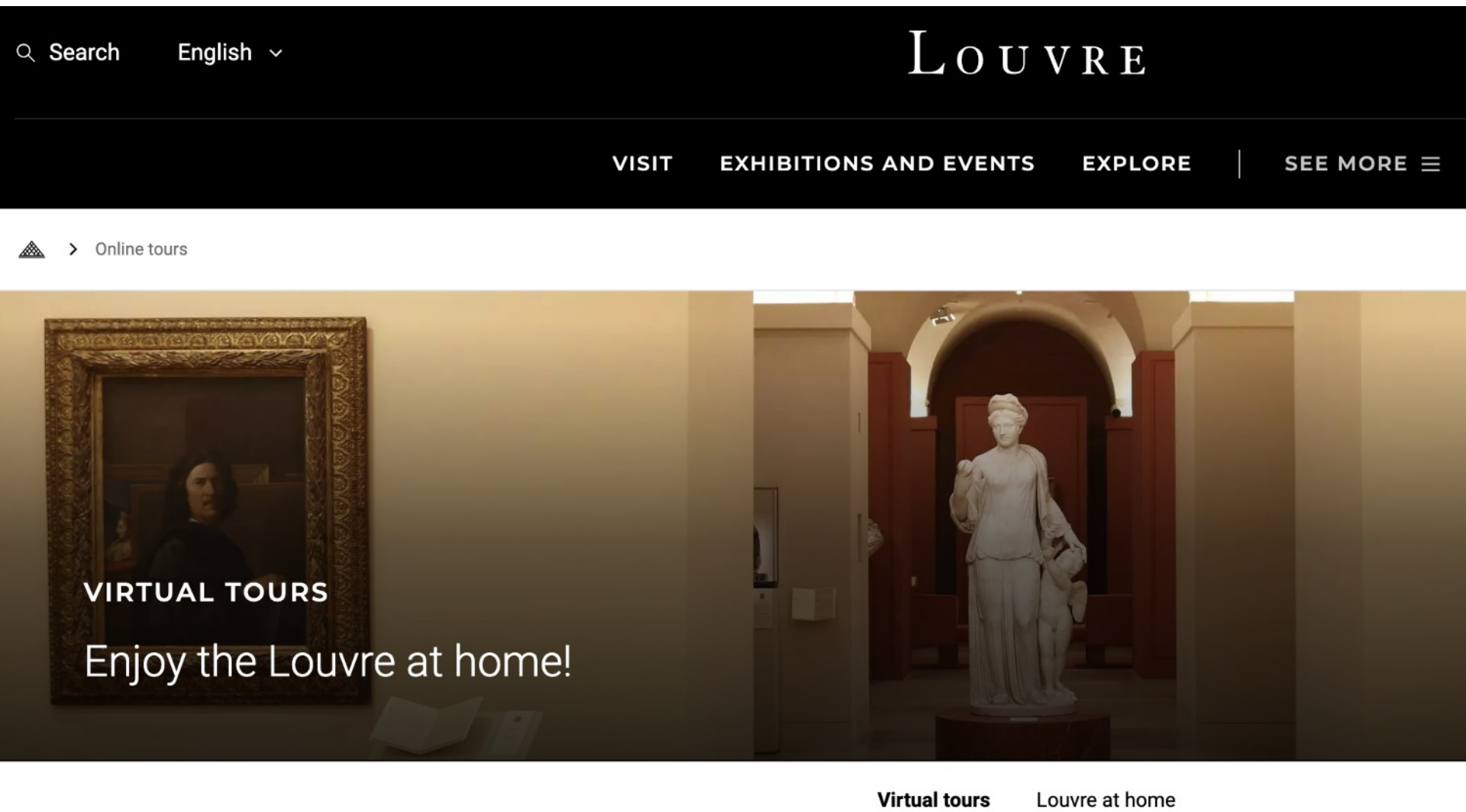
Online Exhibitions

UNESCO
World heritage
[More information]



Examples of best practice

<https://www.louvre.fr/en/online-tours>



Examples of best practice

<https://library.si.edu/exhibitions/online>



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Please read Smithsonian Libraries and Archives' [Statement on Harmful Content](#)

[Home](#) » [Exhibitions](#) » Online Exhibitions

Online Exhibitions

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Nature of the Book

Explore early handmade books through the myriad natural materials—animal, vegetable, and mineral—that went into their making. *Nature of the Book* shows what the use of these varied and sometimes surprising resources can tell us about the book, touching on questions of use, process, global trade, and economy. On display through September 3, 2024 at the National Museum of Natural History. Visit the [online exhibition](#).



Music HerStory: Women and Music of Social Change

Women's leadership in music and social change is central to the American story. *Music HerStory* explores these contributions through unique collections from the Smithsonian Libraries and Archives, the Center for Folklife and Culture Heritage, and more. Through Mar

Bin

Examples of best practice

<https://cotsen.princeton.edu/online-exhibitions>



Online Exhibitions

[Creepy Crawlies](#)



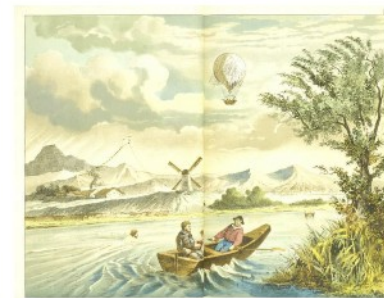
[Magic Lantern](#)



[Tigers](#)



[Kites](#)



Examples of best practice

<https://yagou.gr/>

Artemis Yagou website

About

Work experience (selection)

Academic qualifications

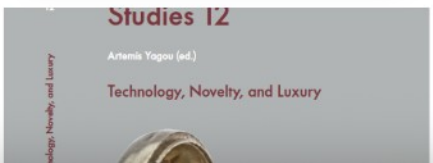
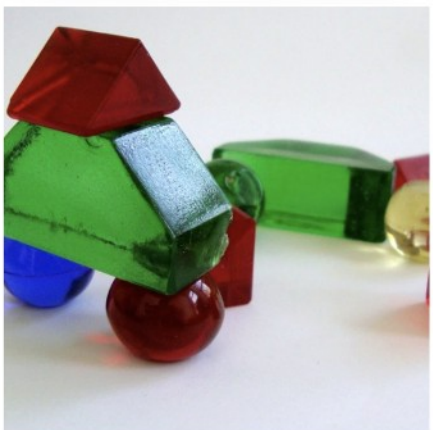
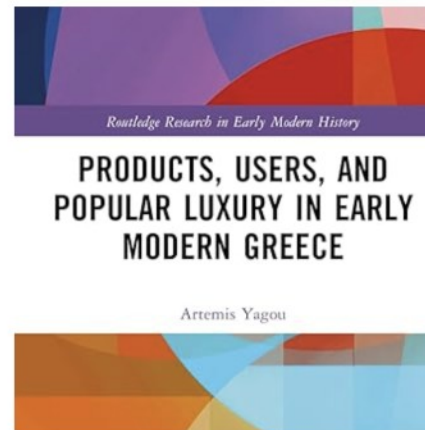
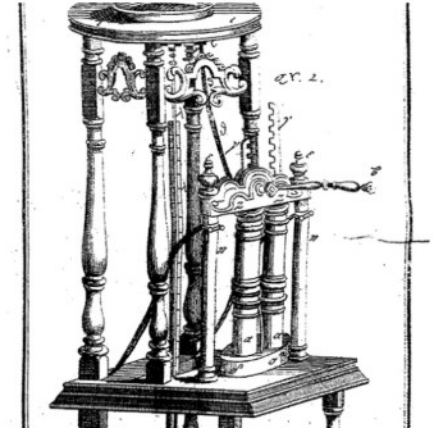
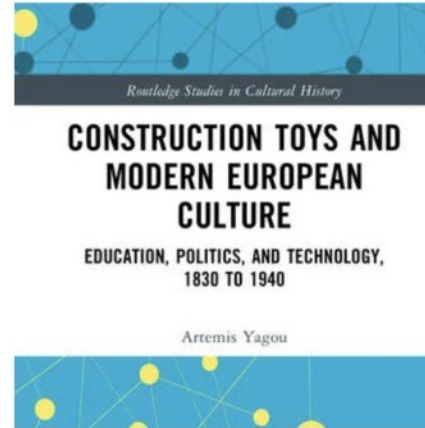
Scholarships/Grants/Awards (selection)

Publications

Invited lectures

Conference papers

Commissions of trust (selection)



Work-in-Progress

Deutsches Museum: Open Science Policy

Strongly encouraging Open Content

**Implementing transparency throughout the museum:
from methods, tools, and infrastructures
to research results and publications**

Work-in-Progress

Open Source tools for online exhibitions

1) Omeka

2) Pachyderm

3) WordPress

4) Hugo

5) Pelikan

Work-in-Progress

Hugo chosen

- Very user-friendly**
- Template-based, therefore easier to change**
- Multilingual options**

Work-in-Progress

Hugo themes

HUGO

News Docs Themes Community GitHub

Q Search docs

/





Book



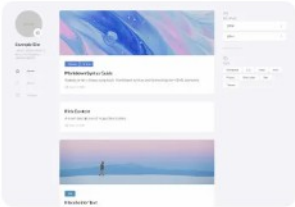
Hugo Blox - Tailwind



Lovelt



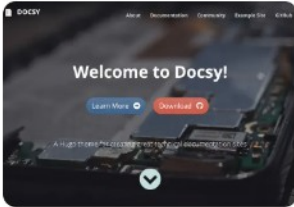
PaperMod



Stack



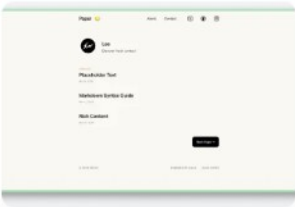
Coder



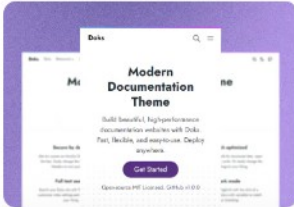
Docusy



Terminal



Paper



Doks



Blowfish



hello-friend-ng

Tags

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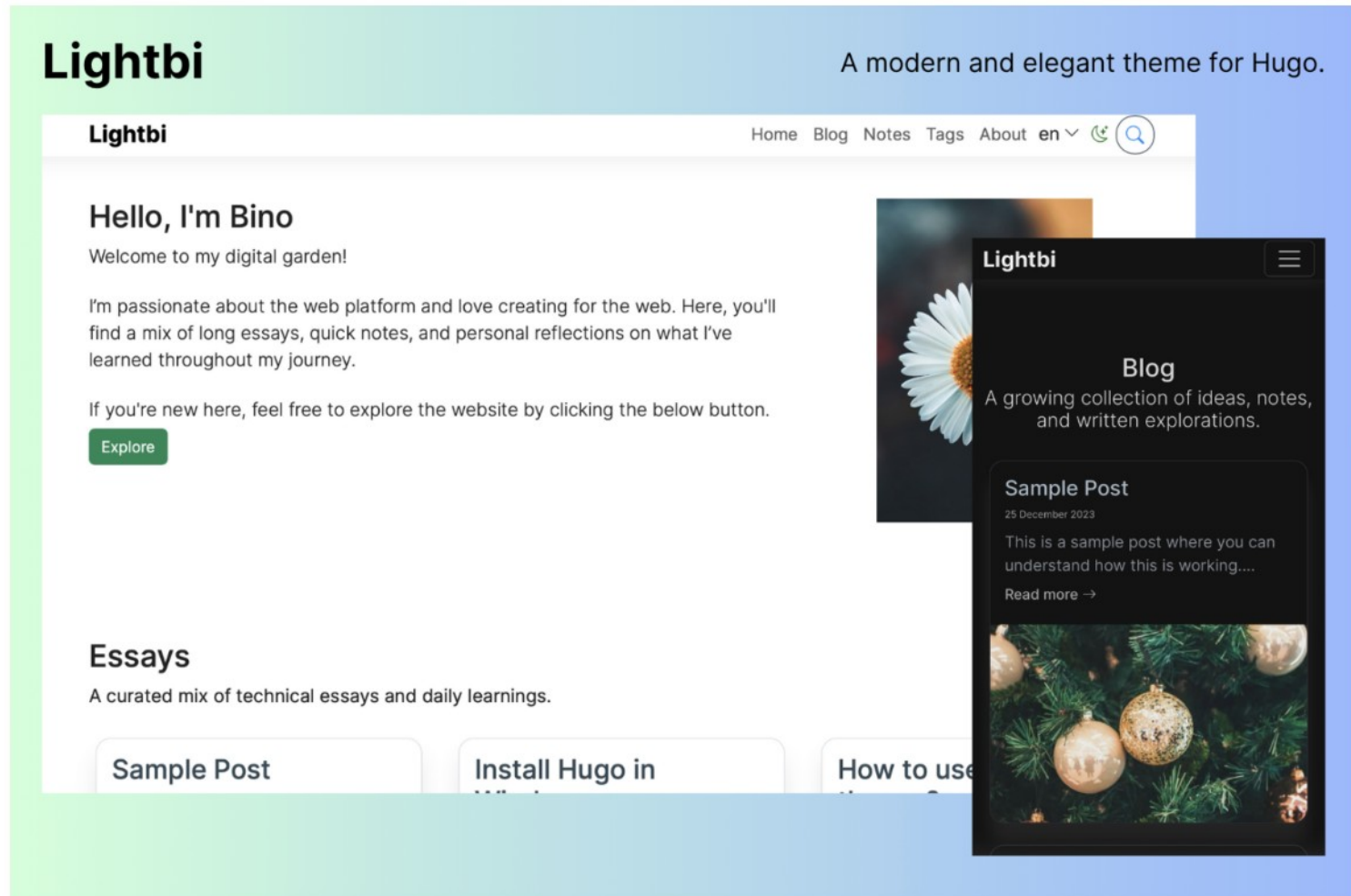
contact (9)

archiv

medieval.md -

Work-in-Progress

Hugo theme chosen: Lightbi
user-friendly, visually clear, multilingual, mobile-friendly



[Docs](#) > [Getting started](#) > Quick start

Quick start

Create a Hugo site in minutes.

In this tutorial you will:

1. Create a site
2. Add content
3. Configure the site
4. Publish the site

Work-in-Progress

industrialplay

Private

Watch 0

main

1 Branch

0 Tags

Go to file

t

Add file

<> Code

artemisyagou Initial commit	28afa9a · last week	🕒 1 Commit
📄 README.md	Initial commit	last week

📖 README

industrialplay

Files for an online exhibition website

Work-in-Progress

Editor: Visual Studio Code

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORER:** Displays the file structure of the 'industrialplay' project. The 'imagepages' directory is expanded, showing a list of markdown files. 'ankerstructure.md' is selected and highlighted.
- EDITOR:** Displays the content of 'ankerstructure.md'. The file is a Hugo markdown document with frontmatter and a body paragraph. The frontmatter includes fields for title, date, image, category, country_of_origin, tags, draft, and description. The body contains a figure placeholder and a paragraph of text.
- TERMINAL:** Shows the output of the Hugo web server. It indicates that the site is being rebuilt due to changes in the source files and configuration. The web server is available at <http://localhost:1313/>.

```
1 ---
2 title: "The Importance of Order"
3 date: 2025-05-23T00:00:00+01:00 # ISO 8601 date
4 image: "/preview/AnkerStructure.jpg"
5 category: "Gender"
6 country_of_origin: "Germany"
7 tags: ["structure", "education"]
8 draft: false
9 description: The container and packaging of construction sets...
10 ---
11
12 {{< figure src="/img/AnkerStructure.jpg" >}}
13
14 The container and packaging of construction sets, where all the pieces could be arranged and
15 stored following a specific packing plan, especially promoted the idea of order and
16 structure, and encouraged the young minds to recognise multiplicity in unity. This was an
17 innovative concept systematically introduced by Fröbel's Gifts; bricks were stored and
18 presented to children in a way that determined how they had to be used. *Anker-Richter* also
19 promoted specific packing arrangements that highlighted the blocks of a set as a harmonious
20 unity composed of multiple elements.
```

Source changed /about/_index.md
Template changed /_default/baseof.html
Template changed /partials/head.html
Web Server is available at <http://localhost:1313/> (bind address 127.0.0.1)
Total in 55 ms

Change detected, rebuilding site (#4).
2025-06-16 17:11:04.206 +0200
Source changed /about/_index.md
Web Server is available at <http://localhost:1313/> (bind address 127.0.0.1)
Total in 23 ms

Change of config file detected, rebuilding site (#5).
2025-06-16 17:47:35.257 +0200
Web Server is available at <http://localhost:1313/> (bind address 127.0.0.1)
Rebuilt in 551 ms

Work-in-Progress

<https://industrialplay.yagou.gr/en/>

Industrial Play

Home Tags About en ▼



What are Construction Toys?

Construction sets, construction kits, or building sets are...

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The Importance of Order

The container and packaging of construction sets...

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In the Cultural Pantheon

From the beginning...

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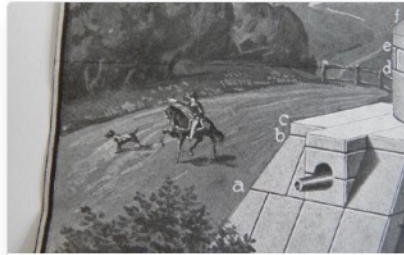




Casual Racism

Visual representations in toy catalogues...

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Medieval and Modern?

Designs and visual representations in toy products...

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Oriental Charm

Apart from specific skills, ...

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Playing War

During the First World War, toy themes became...

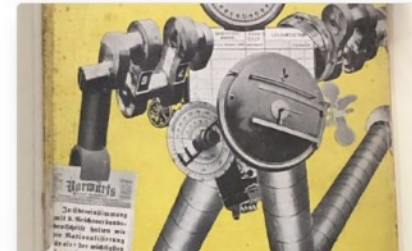
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A Boy from Barcelona

An image from interwar Barcelona...

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The Body as Machine

As modernisation processes intensified...

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Politicised Play

Much of the promotion for the Austrian firm Matador was...

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A Matador Girl

The sets intended for girls...

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Mother's Bridge

In the Soviet Union, the disciplined child,...

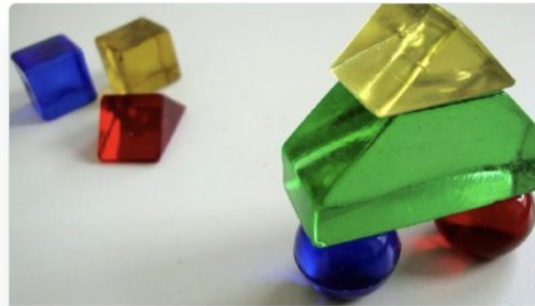
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A Boy's Two Sides

Gilbert's Erector set was one of the most famous and successful...

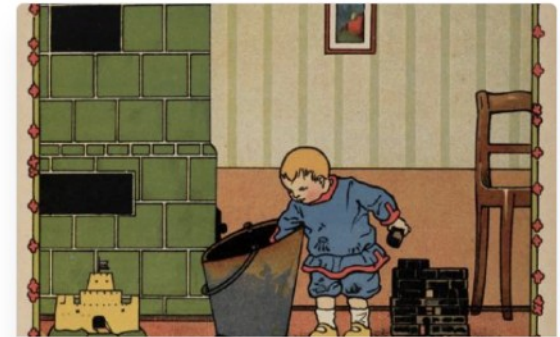
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Is it a Toy?

The Dandanah is a sui generis construction set ...

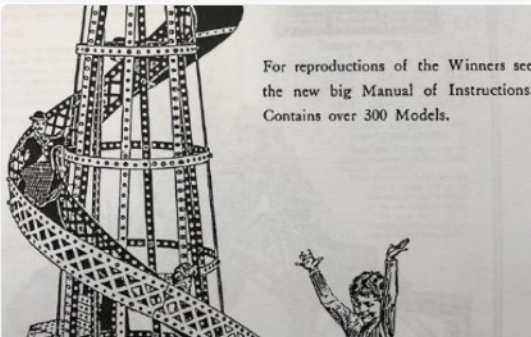
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Spontaneous and Mischievous

Spontaneous, ad hoc building play is...

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Marketing Tricks

Many construction sets were highly complicated and...

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Konrad Zuse playing

The computer pioneer Konrad Zuse (1910–1995), wrote...

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Leaving Traces

When examining old construction toys...

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Konrad Zuse playing



The computer pioneer Konrad Zuse (1910–1995), wrote in his autobiography of his experience with *Stabil* kits at Hoyerswerda, Saxony, during his teenage years in the 1920s. For Zuse, the joy of playing with construction kits was undeniable: 'The erector (*Stabil*)set was my 'one and only' then. Radio construction, then quite modern, didn't really appeal to me. I have always had a predominantly visual approach to my environment. This is also probably why I never pursued music. This perhaps one-sided talent was also evident in the construction of my computer models. Here, too, I preferred

#Tags

education 9	▼
emotions 6	▼
marketing 6	▼
politics 6	▼
technology 6	▼
howtheyplayed 5	▼
family 4	▼
gender 3	▼
structure 3	▼



Was ist Konstruktionsspielzeug?

Konstruktionsspielzeug oder Baukasten sind Spielzeug, die...

Mehr →



Die Wichtigkeit der Ordnung

Die Verpackung der Baukästen, in der alle Teile...

Mehr →



Im kulturellen Pantheon

Von Beginn ihrer Entwicklung waren die Baukästen...

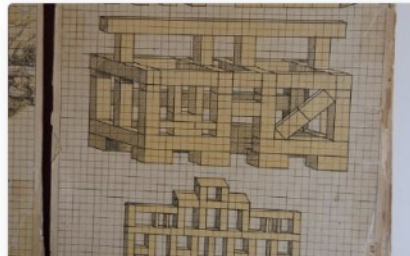
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Körper und Brücke

Viele der technischen Arbeiten des 19. Jahrhunderts...

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Geometrie und Gitter

Der Schwerpunkt von Konstruktionsspielzeug...

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Eine Familie in Schweden

Ein Werbeblatt des späten 19. Jahrhunderts...

Mehr →



Weihnachtsspielzeug

Der Verbrauch von Spielzeug war...



Ehrfurcht oder Angst?

Betrachten Sie die Illustration aus dem Cover eines britischen Baukasten...



Belohnungsaufschub

Eine große Innovation, die vom Unternehmen „Anker-Discher“ eingeführt...



Que sont les jeux de construction?

Les «jeux de construction», ou les «kits de construction» sont...

[Voir plus →](#)



L'importance de l'ordre

Le contenant et l'emballage des jeux de construction...

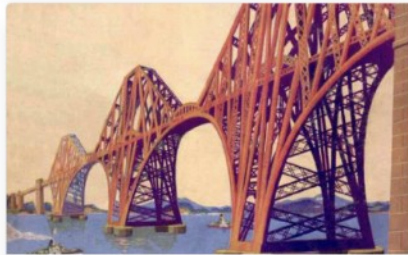
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Au Panthéon culturel

Dès le début de leur développement, les jeux de construction...

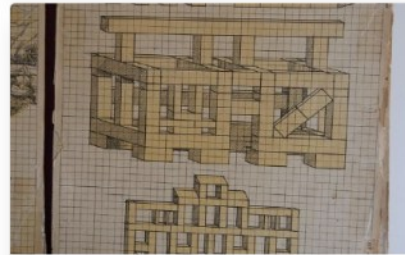
[Voir plus →](#)



Corps et ponts

De nombreux travaux d'ingénierie...

[Voir plus →](#)



Géométrie et grilles

L'accent des jouets de construction sur...

[Voir plus →](#)



Une famille en Suède

Un dépliant promotionnel de la fin du XIXe siècle...

[Voir plus →](#)



Jouets de Noël

La consommation de jouets était un outil pour...



Émerveillé ou effrayé?

Considérez l'illustration de la couverture...

[Voir plus →](#)



Gratification différée

Une innovation majeure introduite par...

[Voir plus →](#)

Traditional exhibitions reach limited audiences

Need for innovative public outreach methods

**Digital tools can enhance educational impact
and inspire new forms of cultural engagement**

Why Free Software Tools?

Cost-effective solution for museums

Open-source accessibility and transparency

Customisable to specific needs

Sustainable long-term solution

Creating an online exhibition with Free Software tools

Dr Artemis Yagou

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SFSCON, Bolzano, 7 November 2025