



TALENT MAKER

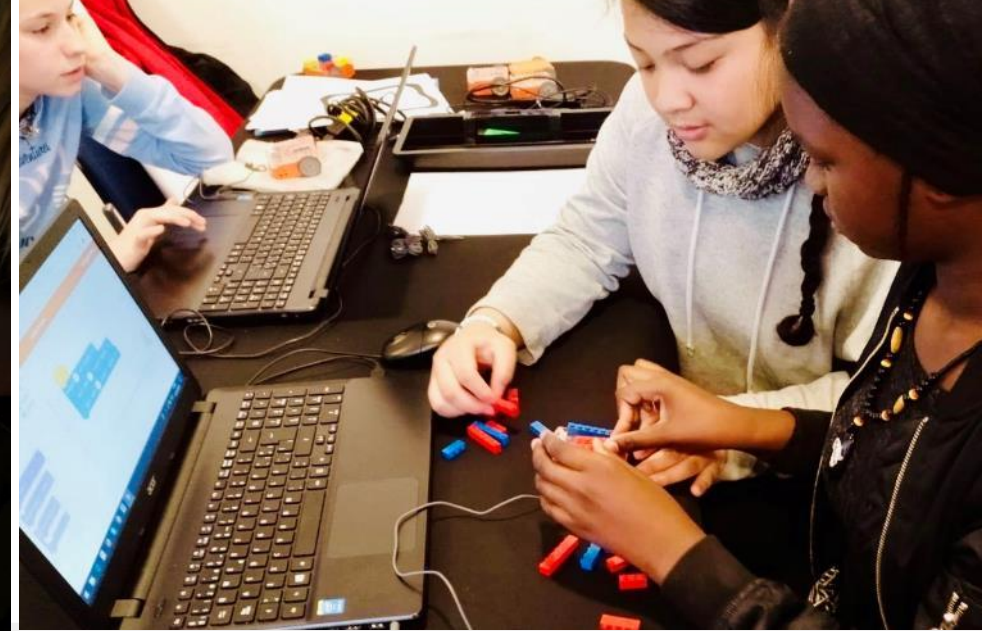
Talent-Based Learning and Maker Education in the context of Hybrid Education after Covid-19

Universitat
de Girona



Co-funded by the
Erasmus+ Programme
of the European Union





Càtedra
TEKHNE



Universitat
de Girona



Co-funded by the
Erasmus+ Programme
of the European Union



TALENT
MAKER

Our organisation



UdiGitalEdu
Research Group –
University of Girona

The **UdiGitalEdu** group designs learning experiences for children and young people to help them become more creative, critical and develop positive values. The group develops projects at a local, national and international level, and focuses on disadvantaged groups and children from vulnerable families and communities.

Initial
Situation

Initial Situation

More than 1.2 billion children in 186 countries were affected by **school closure due to COVID- 19** (UNESCO, 2021).

Schools had to rethink their delivery methods, and **online lessons** replaced traditional face-to-face teaching and learning.

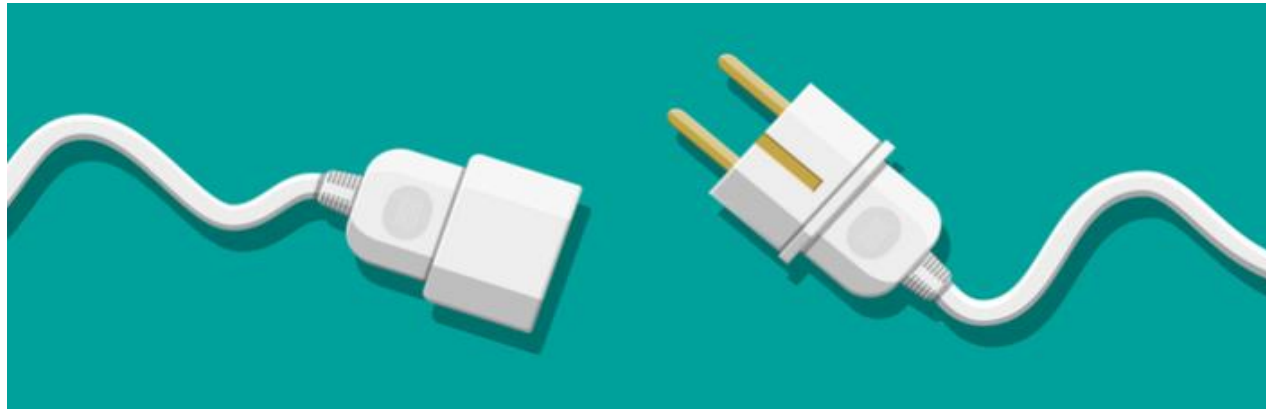
As the UNICEF-ITU report on Connectivity in Education (2021) states, **two-thirds of the world's school-age children did not have internet access at home.**

Problem

Digital divide

It is the **inequality in access to the Internet and Information and Communication Technology.**

In other words, the gap between those who have access to Technology and those who don't.



EU
Response

Erasmus +

- Innovative practices in a digital age/
Innovation in the digital age
 - Social inclusion
- Reinforcement of key competencies

Team

Consortium

Catedra
TEKHNE

Universitat
de Girona



UNIVERSITATEA
DIN
CRAIOVA



Action

1 dimotiko
scholeio
alikarnassou



Team

Target group: multicultural schools

Catedra
TEKHNE



Migrant
families
children



Roman people
(minorities)



Refugees

1 dimotiko
scholeio
alikarnassou

Inspiration

A good practice: The project *Talents* (Escola El Pla)



Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**



Our aim

The Talent Maker project aims to **reduce the unfair gap generated during lockdowns** between schools with resources and a majority of local students and **multicultural schools with fewer resources and wider diversity.**



Our goal

Its goal is helping multicultural elementary **schools**
improve distance and face-to-face education through
an innovative **Methodology** based on **Maker**
Education and **Talent Promotion**.

Our plan

05/21	Status quo in the partnership countries	Theoretical framework and <i>Talents</i> immersion
10/21	Methodology (IO1)	Digital Educative Capsules templates (1 st version) and first Capsules (IO2)
11/21	TM Craiova: Consortium capacity building Digital educative capsules templates (2 nd version)	
11/21	Consortium capacity building Implementation and digital educative capsules elaboration (testing phase)	
05/22	TM Crete: Digital educative capsules templates (3 rd version) and Catalogue (IO2) Teacher's Guide	
06/22	Teacher's Guide (IO3)	Digital educative capsules ENG (IO2)
09/22		Implementation and Teacher's Training
11/22	TM Girona: Teacher's Guide (IO3) and Participatory Exchange System (IO4)	
01/23	Teacher's Guide (Translations) Participatory Exchange System (IO4)	Implementation and Teacher's Training Digital Educative Capsules Catalogue (IO2)
05/23	Teacher's Guide (IO3)	Talent Maker Day



TALENT MAKER

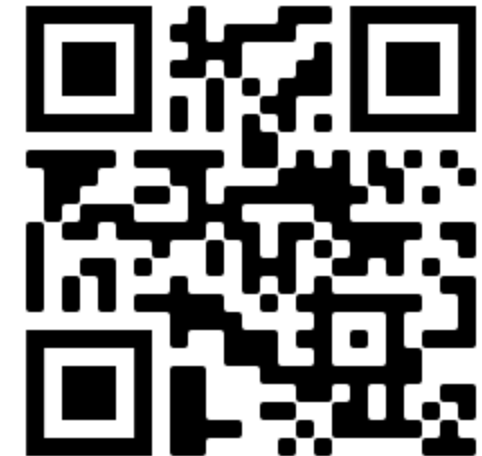
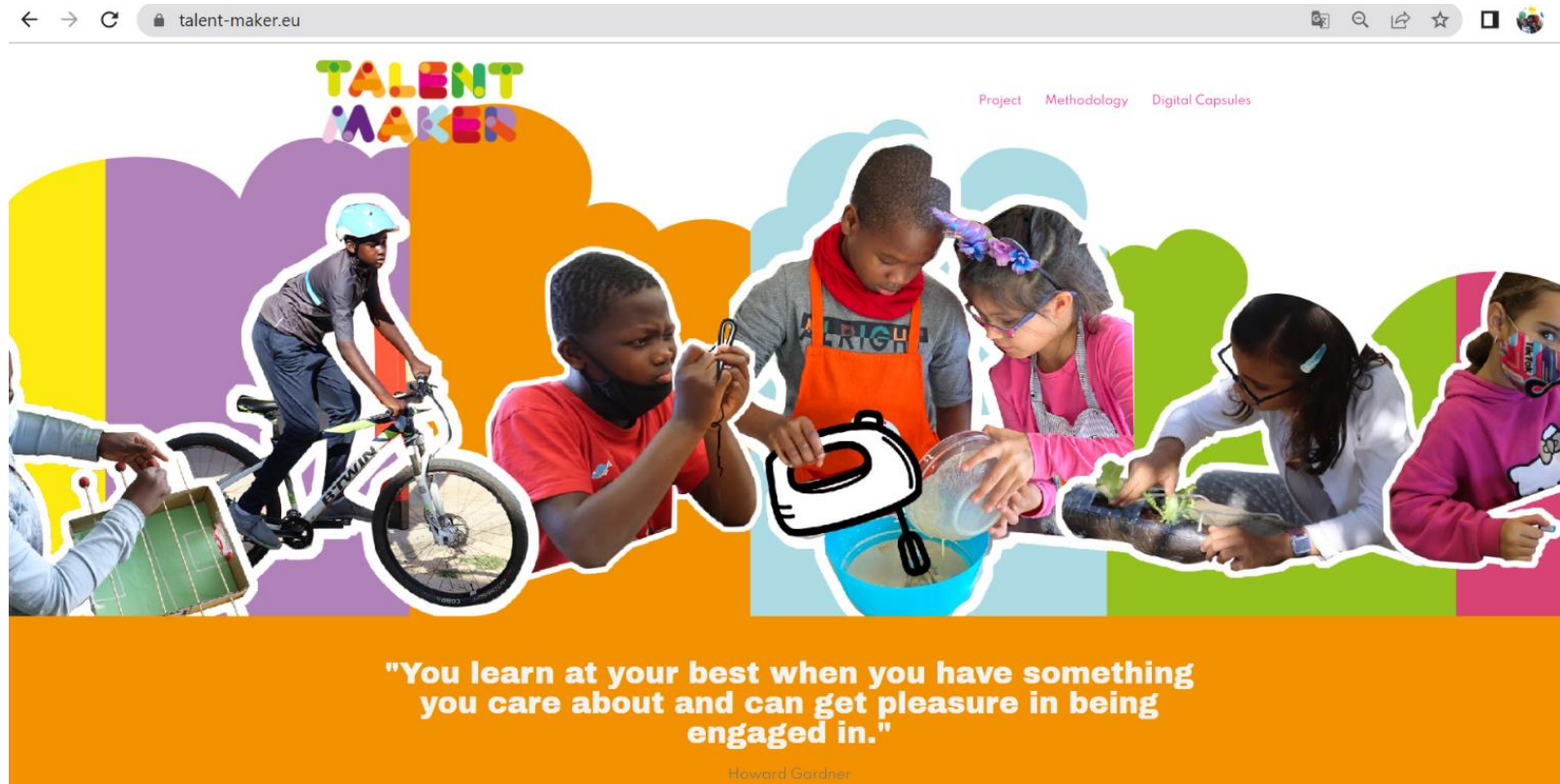
IO1: Methodology

IO2: Digital
Capsules
Catalogue

IO3:
Teacher's
Guide

IO4:
Participatory
Exchange
System

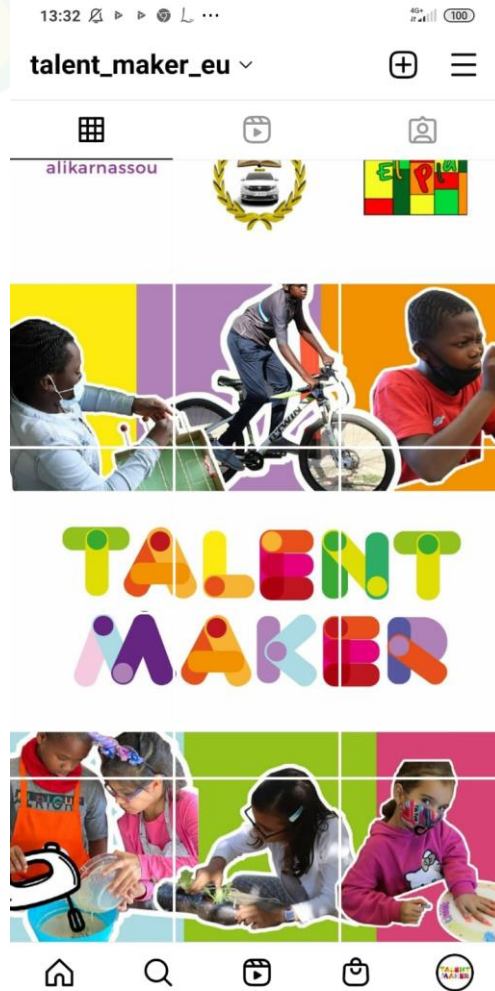
Talent Maker Website



<https://talent-maker.eu/>



Instagram



https://www.instagram.com/talent_maker_eu/



YouTube Channel

youtube.com/@talentmakereu3905

talent maker eu

Co-funded by the Erasmus+ Programme of the European Union

Talent Maker EU
@talentmakereu3905
7 subscribers

HOME VIDEOS PLAYLISTS CHANNELS ABOUT

Talent Maker project ▶ Play all

Talent Maker in el Pla School, Salt
Talent Maker EU
6 views · 6 months ago

Talent Maker in el Pla School, Salt
Talent Maker EU
5 views · 6 months ago

Testimonials ▶ Play all

Romanian Testimonials
Greek Testimonials



<https://www.youtube.com/@talentmakereu3905/about>



Let's see what you remember



Wordwall



<https://wordwall.net/ca/resource/60310458>

Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**

Questions





TALENT MAKER

From Theory to Practice...

Universitat
de Girona



Co-funded by the
Erasmus+ Programme
of the European Union





TALENT MAKER

From theory...

Talent Based Learning

Neuroscience

The latest discoveries in Cognitive Science and Neuroscience revealed that we have **physically** and **genetically different brains**. Moreover, they disclosed that our **life experiences** and **how we record our memories** influence **brain development** and **operation**.

Neurodiversity



Neuroplasticity

Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**

Talent Based Learning

vs unidimensional Intelligence Perspective



Intellectual
Coefficient test (IQ)



Innate attribute



Closed curriculum



Practically invariable

Talent Based Learning

Howard Gardner and Multiple Intelligences Theory

Intelligence definition

We are the compound of our bits of **intelligence**, which are understood like our **abilities to solve problems or mobilize knowledge to construct a valuable cultural product for our society**. As well as, a means of **expression**.



Talent Based Learning

Howard Gardner and Multiple Intelligences Theory

Benefits

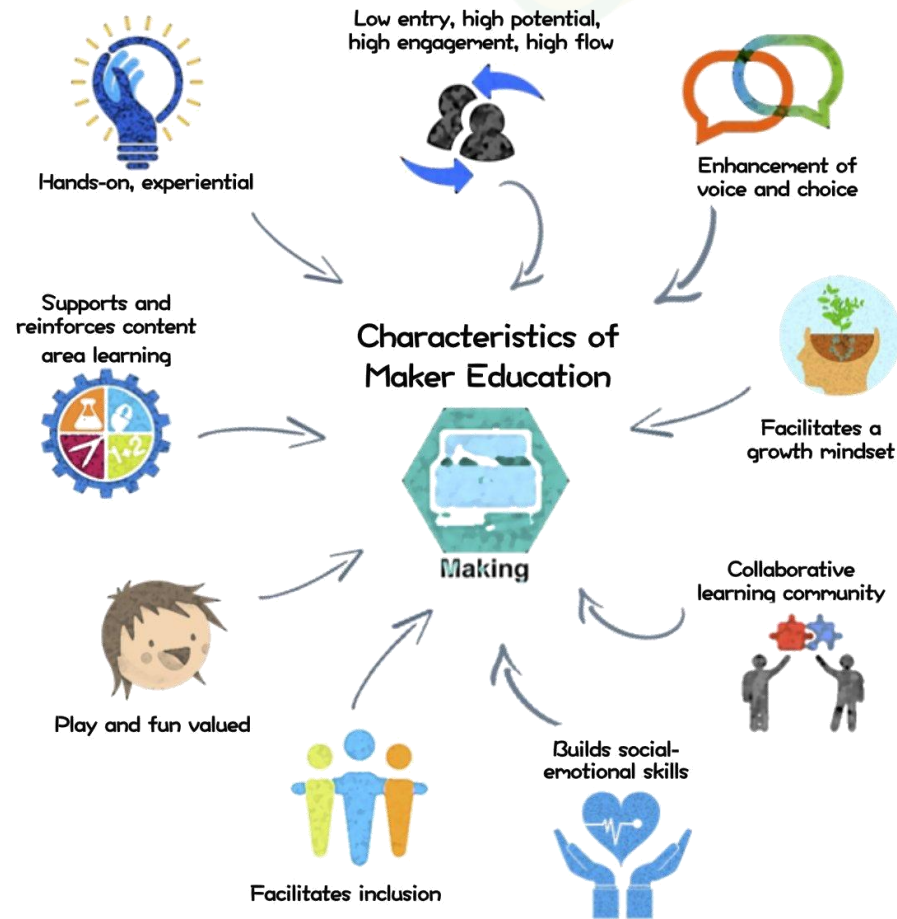


Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**

Maker Education

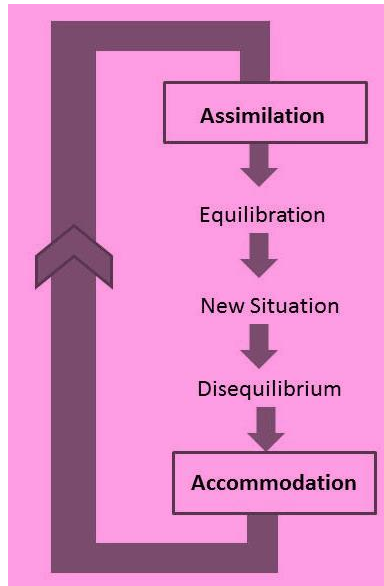
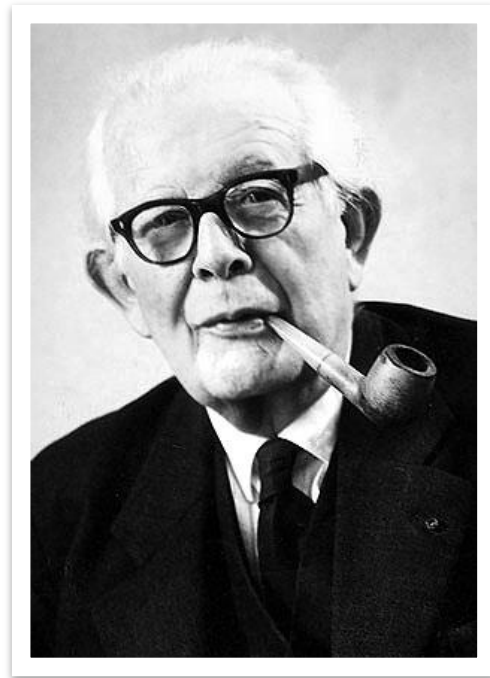


The Maker Education awakes everyone's **inner motivation to create**, design, modify, build or make things. It does it in an **informal, playful, cooperative** and sometimes **functional way**.

Maker Education

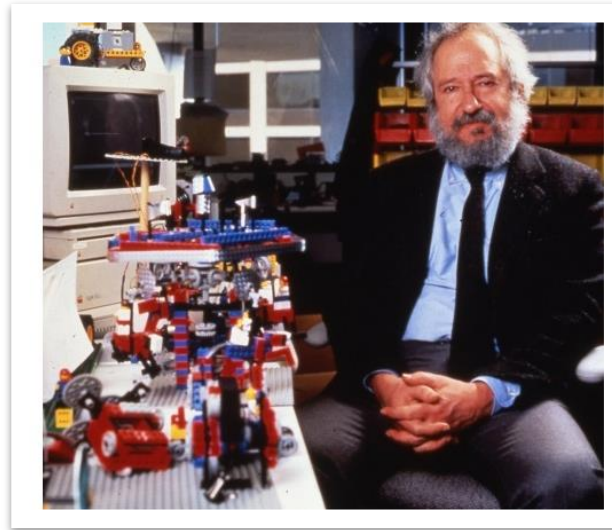
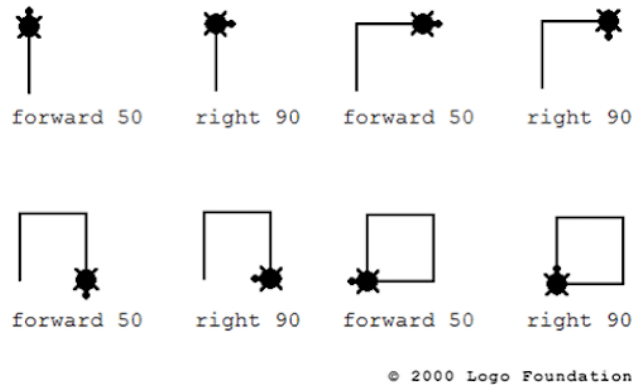
Constructivism

Jean Piaget
(1896-1980)

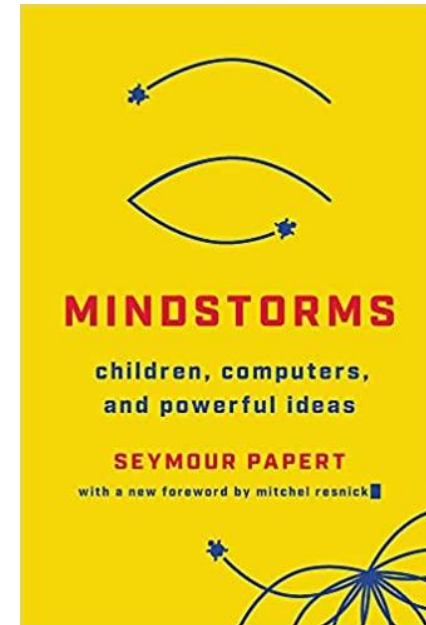


Maker Education

Constructionsim



Seymour Papert
(1928-2016)

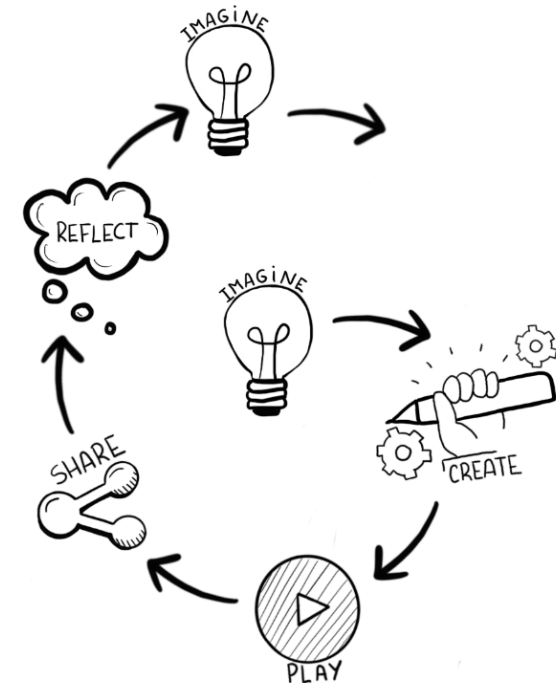


Maker Education

Lifelong Kindergarten and the Creative Thinking Spiral

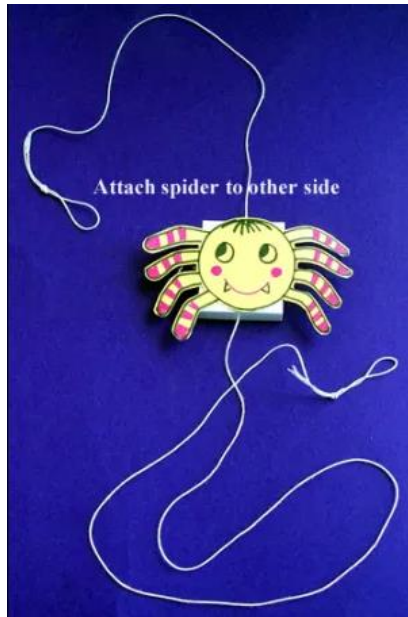


Mitchel Resnick



Maker Education

Other inspirational Projects



<https://www.arvindguptatoys.com/>



<https://home.papercranelab.com/>

the
tinkering
studio™

<https://www.exploratorium.edu/tinkering/projects/cardboard-automata>

**Kriti
Activities**

<https://kriti.unstructured.studio/>

Co-funded by the
Erasmus+ Programme
of the European Union



Maker Education

Our focus on Maker Education in this project:

- Feasible in multicultural schools
- No need of fancy makerspaces or *fablabs*
- No need of expensive technologies
- Everyday materials and objects
 - Face-to-face & virtual
 - Plugged & unplugged

DIY / DIWO

Makerspaces, Fablabs

Computational Thinking

STEAM

Creative Computing

Tinkering

...

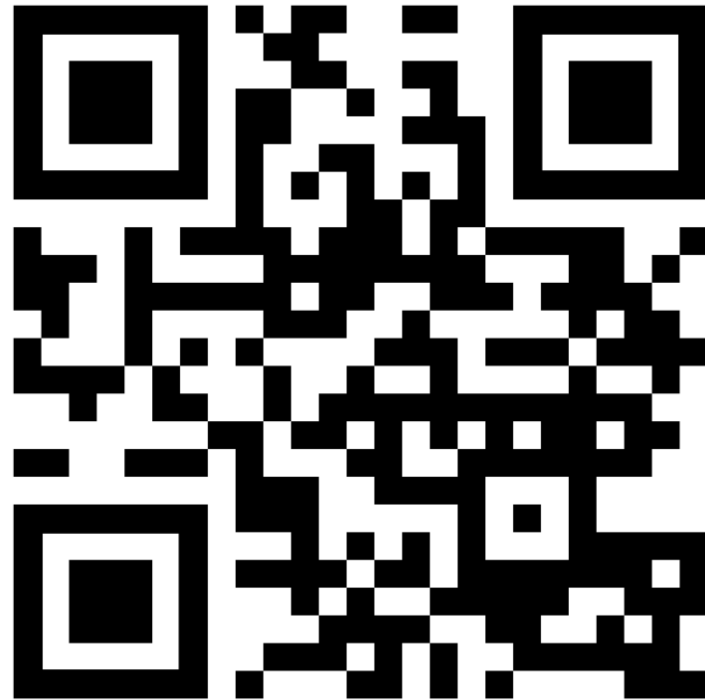
Maker Education

The word **'workshop'** has different meanings, all of them relevant from the point of view of Maker Education. It is a place where people work with their hands, it is also a group of people who attend a school or seminar, and it is also the activity itself that these people carry out. In other words, it is at the same time a place, a group of people and an activity.



Let's see what you
grasped!

Kahoot!



<https://kahoot.it/>

Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**

Questions





TALENT MAKER

...to practice

Organization before Covid-19

Teacher's talents

Multiple intelligences

Feasible

Age-appropriate

Motivating

Class presentations

Children interests

They list the Talents in their order of preference

Three month term Talent

LP, MP and UP
One afternoon per week
(1hour and 30 min)

Organization after Covid-19

Teacher's talents

Multiple intelligences

Feasible

Age-appropriate

Motivating

Class presentations

3-4 sessions talent

Half groups of the classes of each grade

One afternoon per week

(1hour and 30 min)

Children try all the talents

Allowing them to discover a new passion

Passion

High ceilings

Projects

Wide walls

Hard fun

Responsibility

Challenge and joy

Inspire

Learning environment

Experimenting

Feedback

Imagination

Collaboration

Play

Not right, without wrong

peers



Creativity

Collaborate

Main character

Imagine

Feedback

Help others

Explore

Pupils role

Play

Independence

Reflect

Responsibility

Trial-error

Active role



Imagination

Reasoning

Good questions

Flexibility

Role model

Choices

Inspire

Teacher role

Planning

Organizing

Facilitator

Guide

Management

Safety

Assessment

Learning Objectives

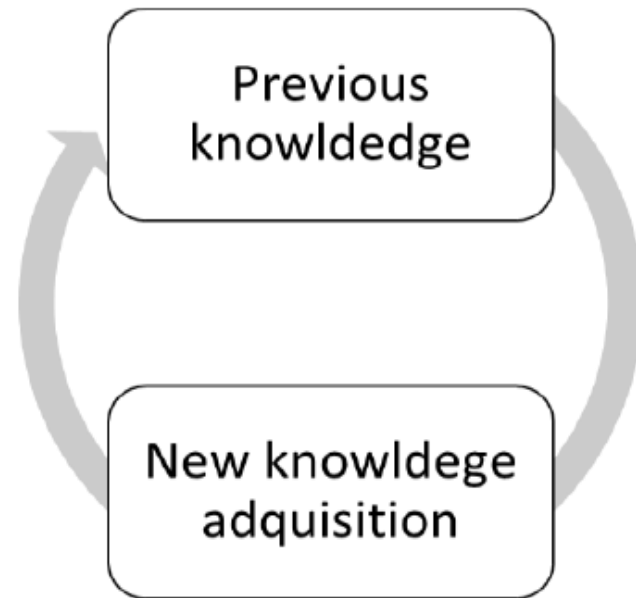
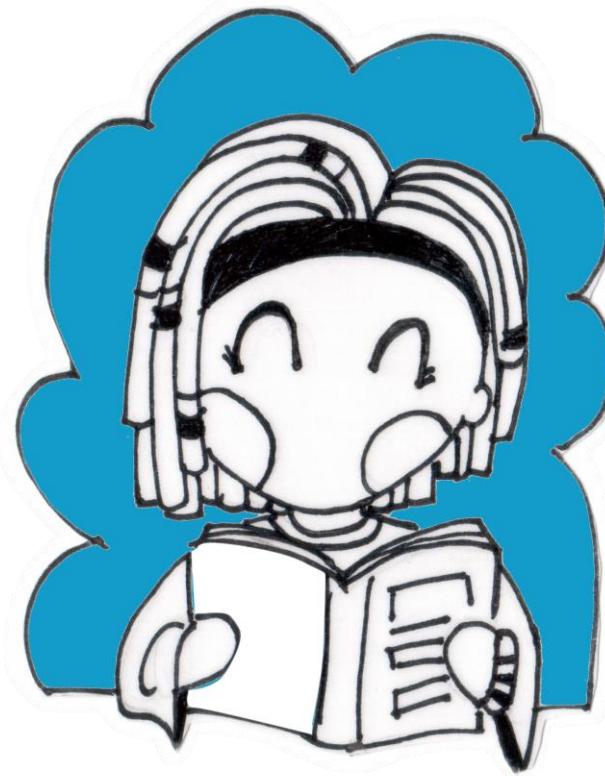
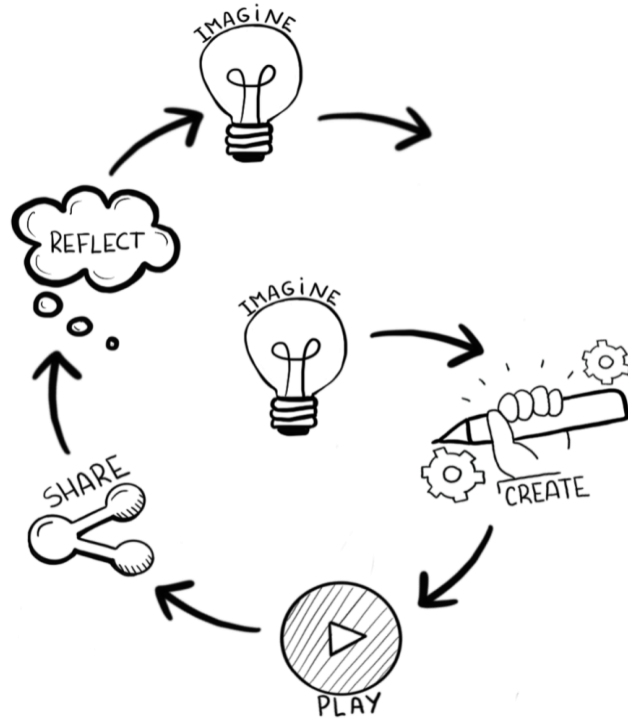


Figure 10- Talent Maker Learning Objectives Diagram

Soft skills:

- Collaboration
- Creativity
- Critical Thinking
- Digital Skills

Educative (Digital) Capsules and Lesson Plan - Curriculum Connections



Workshop development



Activity development

IMAGINE

- 1- Previous knowledge
- 2- Hypothesizing
- 3- Examples

CREATE

- 4 - Making process
(Creative Thinking Spiral)
- 5- Step-by-step and itineraries

PLAY & SHARE

- 6 - Enjoying and sharing

REFLECT

- 7 - Good questions

Assessment

Suggested assessment activities and tools						
What?	Assessment for learning		Assessment as learning		Assessment of learning	
When?	During the lessons				At the end of the term	
How?	Knowledge harvest	Real-time feedback	Journal	Digital Educative Capsules (Portfolio)	Co-evaluation rubrics	Progress interviews and working contracts
Who?	Teacher and students	Teacher and students	Teacher	Students	Students and teachers	Teacher and students together













Assessment



Talent Maker Teacher's Guide

Lower Primary

Collaboration rubric adaptation of Greenstein (2017).

COLLABORATION					
WORK	1- 				
	2- 				
	3- 				
	4- 				
RESPECT	5- 				
	6- 				
COMPROMISE & RESPONSIBILITY	7- 				
	8- 				

93

Figure 32- Lower Primary Collaboration (see Annex 1)

Teacher's Guide

**TALENT
MAKER**

Teacher's Guide



**Talent-Based Learning and Maker Education in the
context of Hybrid Education after Covid-19**

Project Ref. 2020-1-ES01-KA226-SCH-095839

Co-funded by the
Erasmus+ Programme
of the European Union



**TALENT
MAKER**



Co-funded by the
Erasmus+ Programme
of the European Union

Questions





Thank you for your attention!

