



uOttawa

SEMINAR SERIES 2024

 **LEARN BY PLAYING**  
**to Demolish Myths & Prejudices**



PRESENTER:

**KENNETH A. GENT**  
- Momento Cero | Open Box Consulting -

**SEPTEMBER 30, 2024**  
**12:00-13:00 ET**  
UOHI, Foustanelas Auditorium (H-2367)

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HYBRID  
FORMAT



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OTTAWA, CANADA • SEPTEMBER 30<sup>th</sup>, 2024



# ¿Which is the main goal today?

I will present to you innovative strategies for training individuals to better identify their biases and also to develop strategies for overcoming them.

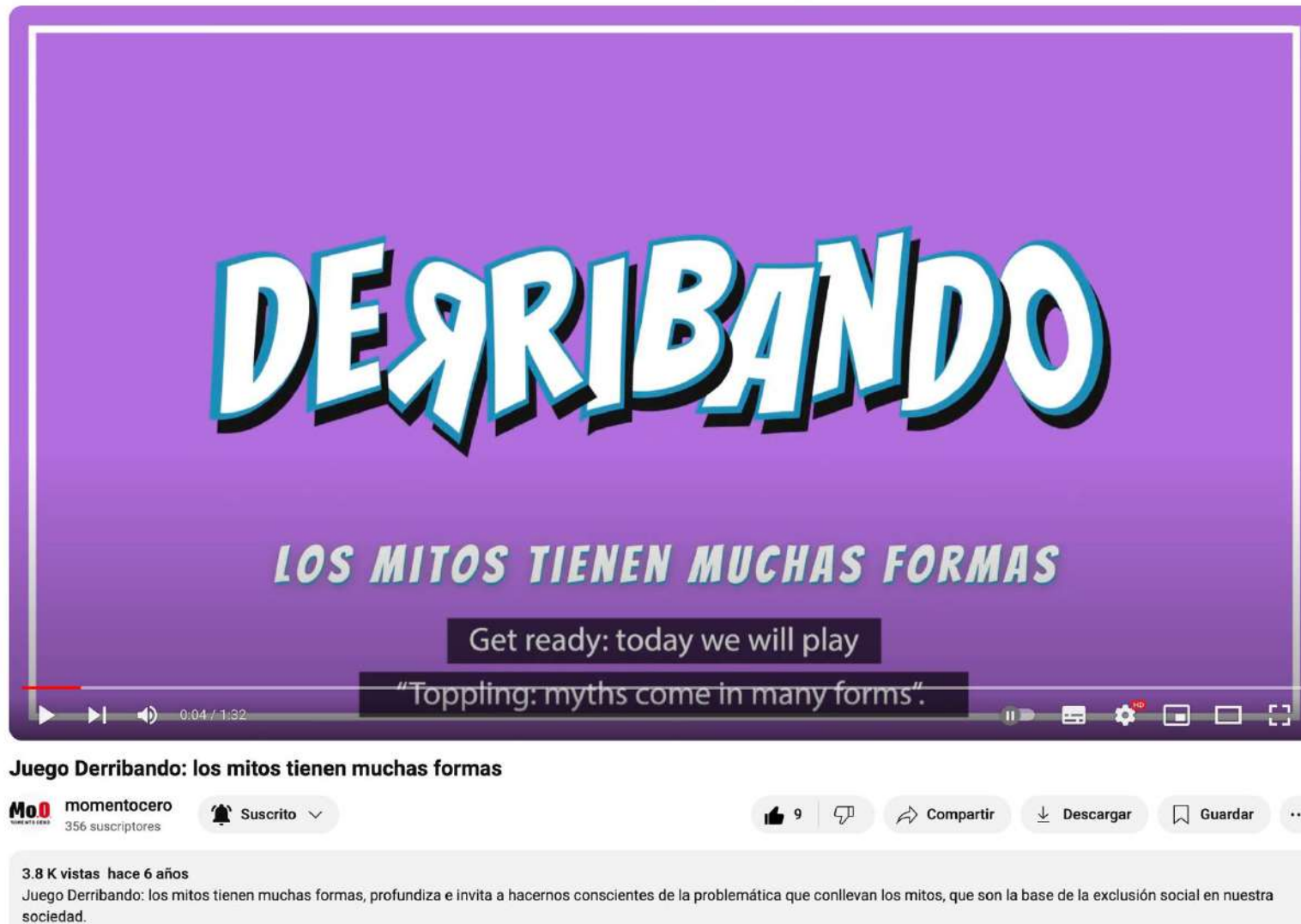
# Today we had the first approach with the Toppling game



**TOPPLING**  
*Myths come in many shapes*



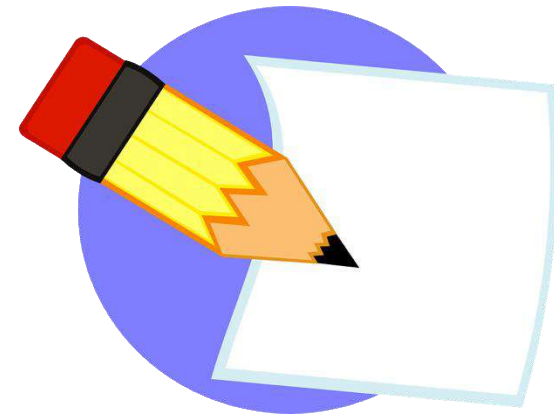
Let's watch this video




[https://www.youtube.com/watch?v=Uaur\\_04\\_Lq0](https://www.youtube.com/watch?v=Uaur_04_Lq0)

# Does anyone feel like playing? Who likes magic?

- I need a person to volunteer.
- Choose a number between 1 and 100 inclusive (write it on a piece of paper without saying it).

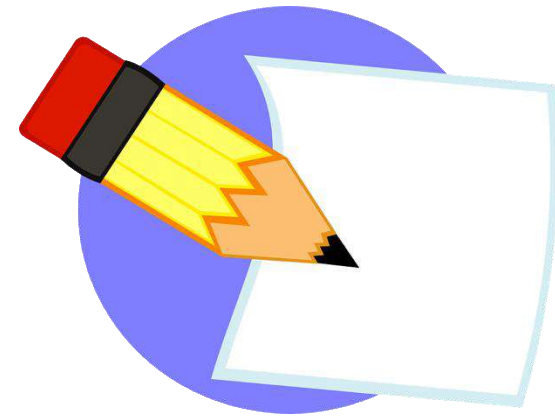





1 - 3 - 5 - 7 - 9 - 11 - 13 - 15  
2 - 3 -  
- 17 - 19 - 21 - 23 - 25 - 27 - 29  
18 - 1  
- 31 - 33 - 35 - 37 - 39 - 41 - 43  
- 31 -  
- 45 - 47 - 49 - 51 - 53 - 55 - 57  
- 46 -  
- 59 - 61 - 63 - 65 - 67 - 69 - 71  
- 59 -  
- 73 - 75 - 77 - 79 - 81 - 83 - 85  
- 74 -  
- 87 - 89 - 91 - 93 - 95 - 97 - 99.

# Does anyone feel like playing? Who likes magic?

- Any other volunteers?  
For us to do it again.
- Choose a number between 1 and 100 inclusive (write it on a piece of paper without saying it).





1 - 3 - 5 - 7 - 9 - 11 - 13 - 15  
2 - 3 -  
- 17 - 19 - 21 - 23 - 25 - 27 - 29  
18 - 1  
- 31 - 33 - 35 - 37 - 39 - 41 - 43  
- 31 -  
- 45 - 47 - 49 - 51 - 53 - 55 - 57  
- 46 -  
- 59 - 61 - 63 - 65 - 67 - 69 - 71  
- 59 -  
- 73 - 75 - 77 - 79 - 81 - 83 - 85  
- 74 -  
- 87 - 89 - 91 - 93 - 95 - 97 - 99.





## SOME QUESTIONS

- What are you thinking about now?
- Do you feel more eager than at the beginning to continue participating in this presentation? Why?
- How does a dynamic like this help motivation?



# **Learning by playing is intrinsic to human nature.**

Nature chose the game so that mammals  
could learn quickly and survive.

# Some anecdotes about my career



How did I come to dedicate myself to these topics?

By chance. I am Chilean (South American country). I graduated as a civil engineer with a specialization in structures in 2003.

# Some anecdotes about my career



Woodstock Inn and Resort, Vermont (USA).

Work & Travel USA  
(2003-2004)

Objective: to learn English.



# Some anecdotes about my career

## Somerville: Las claves son educación y crecimiento



cerca al 7% y generar más educación son a juicio del presidente de la Confederación de Producción y del Comercio (CPC), Hernán Somerville, dos de los factores clave para mejorar la distribución del ingreso en Chile.

Las palabras del líder de la principal cúpula empresarial del país se enmarcan en el informe que elabora anualmente el Programa de Naciones Unidas para el Desarrollo (PNUD) y que en su última entrega señaló que el país posee el mayor índice de desigualdad entre las 53 naciones que forman el primer grupo de desarrollo humano.

"Mantener altas tasas de crecimiento económico es una parte de la ecuación y con ello Chile ha logrado reducir sustancialmente la pobreza, desde 40% al 20% y si seguimos creciendo al 7%, esto se va a reducir aún

más, pero el fin de la educación, el bancoero precisó que si bien es una tarea de más largo plazo, se debe seguir perseverando para contar con una educación que permita mejorar los índices de desigualdad y que le permitan al país competir en el mundo.

"La competencia que Chile enfrenta será feroz y si no estamos a la altura de ello, con mejoras en el uso de la tecnología, será muy difícil mantener ese éxito obtenido en la globalización", sostuvo argumentando que también es necesario contar con una buena facilitación del gasto público.

En el documento también se destaca el avance de seis puestos que anotó Chile en el ranking de Desarrollo Humano al ubicarse en el lugar 37 de la lista de 177 naciones analizadas en el informe, impulsado principalmente por las repeticiones a nivel social de las buenas perspectivas económicas del país.

*The keys are education and growth.*

## Banco Central y Hacienda lograron gran récord en Ranking de Competitividad 2005

# CHILE, TOP 1 EN MANEJO "MACRO"

Mejorar la educación, el principal talón de Aquiles

*Chile, top 1 in macro management.*

*Improving education: the main Achilles' heel.*

**Situation in Chile in 2005.**

**Prior to the "penguin" revolution for education (2006).**

## Unico latinoamericano entre los 25 más competitivos del mundo

Aumentó la brecha con el más cercano; mientras en el 2004 le seguía México 26 sitios más abajo, hoy es Uruguay en el 54 (31 más abajo).

Por primera vez Chile aparece escalando algún ranking económico. Hoy en la presentación del Informe de Competitividad Global del Foro Económico Mundial (WEF) el país se sitúa como líder en manejo macroeconómico, consolidando el factor esencial para el crecimiento.

Esta ubicación reafirma lo que las autoridades han sostenido, controversial aunque en el mundo político, como es la necesidad de una regla clara de mercado preagotamiento, un Banco Central autónomo, un objetivo inflacionista mediano plazo, y la libre flotación del tipo de cambio. De más, el ministro de Hacienda, Nicolás Eyzaguirre comentó que en la última reunión del Fondo Monetario Internacional (FMI) del fin de



El vicepresidente del Banco Central, José de Gregorio, Andrés Bascuñán y José Joaquín Brunner comentaron el Informe del WEF.

Educación sigue siendo el talón

**Who puts the bell on the cat?**

*Only Latin American country among the 25 most competitive in the world.*

# San Alberto revivirá el desafío por un Chile más justo

» El Mandatario dijo que la figura del nuevo santo "es motivo de inspiración de cómo somos capaces de hacer una sociedad como él la quiso donde todos fueran tratados iguales en dignidad, como él dijo, tanto al débil como al fuerte".

*St. Alberto Hurtado revives the challenge for a more just Chile.*





# Some anecdotes about my career

I was pursuing my master's degree in industrial engineering and had learned that:

**ENTREPRENEURSHIP  
AND INNOVATION  
ARE KEY TO  
COUNTRY DEVELOPMENT**



# Some anecdotes about my career

I also knew, from family history, that **the key is to train train the trainers with educational innovation:**

*My great-uncle Adrian Dufflocq Galdames was a language teacher who created the Spanish-American Syllabary in 1945, the most important educational innovation developed in Chile, which has more than 90 editions throughout Latin America.*



*In the mid-twentieth century, Chile had an illiteracy rate of close to 30%, making it urgent to reinforce methods for learning to read and write.*



**Country Brand Image CHILE**  
May 10, 2014.

“If there is something that most children in Chile and Latin America had in their hands to learn to read, it was a Silabario. The Silabario was published by Chilean pedagogue Adrián Dufflocq Galdames in 1945”.



## Multiple comments from those who are still excited about the Silabario...

**Elena Del Carmen Tacul Chaura** Que lindooooo verlo depués de tantos años, el SILABARIO ha sido mi mejor amigooooo hasta estos días!!!

Me gusta · Responder · 5 años



2 respuestas

**Cristina Lema** Hoy todavía me acuerdo de la poesía al final del Silabario "mi Tren" y se la he recitado miles de veces a mis nietos. Mis hijos nacieron aquí en USA pero aprendieron a leer en español en el Silabario.

Me gusta · Responder · 5 años



1 respuesta

**Alicia Gonzalez** Bueno bueno mis 3 hijos aprendieron a leer ahí tengo el mayor de 23 la del medio de 13 y la mas chica de 7 años y es muy bueno yo tambien aprendi pero era amarillo y se llamaba LEA

Me gusta · Responder · 5 años

**Gloria Del Carmen Berron** yo aprendi a leer con un cuadernillo muy delgado que se llama o se llama LA CARTILLA y en la primaria con este método el silabario muy efectivo, pero la modernidad lo dejo atrás, pero ahora los niños de ahora no saben ni leer y menos escribir

Me gusta · Responder · 5 años

**Nelida Riquelme Henriquez** Oh!...si...yo aprendi con ese libro...ja ja js el mejor...

Me gusta · Responder · 5 años

**Roberto Rivas Arriagada** ...aun aqui en casa se usa...bueno...

Me gusta · Responder · 5 años

**Alejandra Vega** Es fantástico yo le enseñe a leer a mis dos hijo mayores y ahora le estoy enseñando al mas chico ... muy buen libro y facil para enseñar y fácil

Escribe un comentario...



Me gusta · Responder · 5 años

**Maria Victoria Miqueles Schreiner** !Yo y mis hermanos aprendimos a leer con este silabario!!En la Escuela enseñaban con el Lea, pero mi mama nos enseñaba con este en la casa!

Me gusta · Responder · 5 años

**Alejandra Zuñiga** Aprendi con ese libro y por supuesto mis hijos aprendieron tambien..

Me gusta · Responder · 5 años

**Ramón Labrin Farías** Que lindo recuerdo, ahora veo los detalles de la imagen y me emocionan.

Me gusta · Responder · 5 años

**Maria Esther Cordero** en argentina era UPA. besos

Me gusta · Responder · 5 años

**Elizabeth Reinoso Lundstedt** lo he comprado como en 6 ocasiones. Me encanta tenerlo a mano.Me transporta al tiempo de mi niñez mas precoz.Parece que veo el índice con esmalte rojo de mi madre, indicandome el camino a seguir,imborrable,Luego realizar la tarea encomendada, siempre ... Ver más

Me gusta · Responder · 5 años

**Maribel Figueroa Maureira** Yo aprendi mis primeras lecturas..

Me gusta · Responder · 5 años

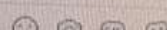
**Vitalia Ines Sepulveda Sepulveda** Aprendí a leer en este silabario,"cuantos pájaros hay en la jaula" "pa"pe"pi"po"pu" .que maravilloso recordar,a mis hijos les enseñé también a leer

Me gusta · Responder · 5 años



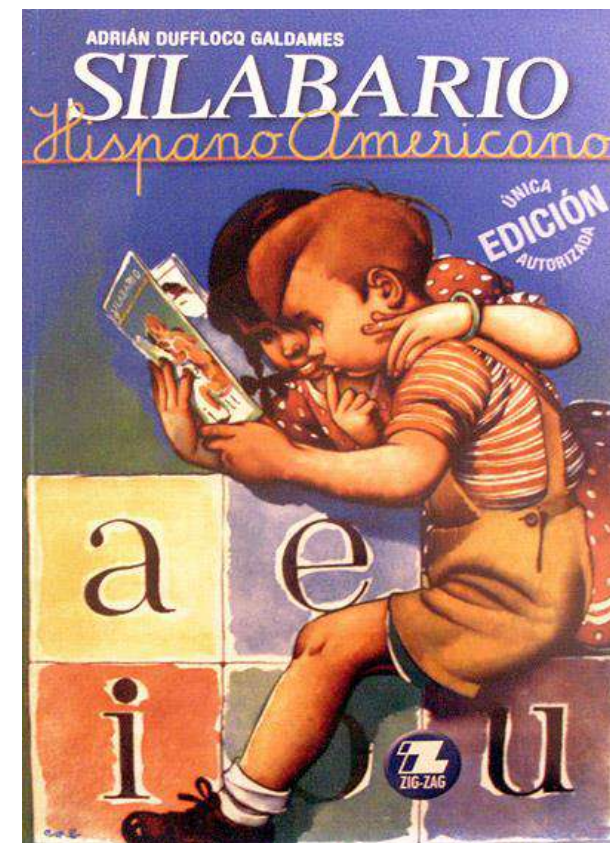
4 respuestas

Escribe un comentario...



Immediate emotional connection to childhood through the fond memory of learning to read.

If someone could read (was literate), then he or she could teach others to read by means of the Syllabary.





# Some anecdotes about my career



Mo.0 Business Idea  
Awarded in Chile Empresario 2005

Social Entrepreneurship Award  
**Making Chile a country of entrepreneurs**

# How much is it worth for the next generation of Chileans to have a culture of entrepreneurship and innovation?

Mo.0 business idea  
awarded at UAI Chile  
Empresario



VI Congress of  
Innovation and  
Entrepreneurship  
ICARE



X International  
Meeting on  
Corporate Social  
Responsibility



ICARE People Circle:  
Talent, what are we not  
doing right?



XI ICARE Innovation  
Congress



Productivity, Innovation  
and Growth Agenda of the  
new government ICARE



ENELA 2016,  
how do we get out?



2005

**Mo.0**  
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2008

2010

2011

2012

**fundación**  
**entrepreneur**

2014

2016

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Honorable Mention  
for Social  
Entrepreneurship

**Mo.0 Vision:**

**Making Chile a  
country of  
entrepreneurs**

Top rated speaker



**10 años**  
**2000-2010**  
**ACCION RSE**  
Empresas por un Desarrollo Sustentable



ENADE 2011:  
"Vox Popvli...  
Vox Dei"?



SME Award  
by the Presidency of the  
Republic of Chile 2012



**corparaucanía**





# International experience

 Colombia



 Chile



 Ecuador



 El Salvador



 España



 Honduras



 República Dominicana



 Perú



 Uruguay



 Bolivia



 Guatemala



Our games and methodology  
are used in all these countries.

<https://torneoelplan.cl/que-es-torneo-el-plan/>

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# The road traveled in 20 years



# Playful Mindset: to create, educate, undertake and innovate.

Motivated by the relationship between playful learning and the playful mentality in us as human beings, I wrote a book:



The book is available free of charge  
in PDF in English and Spanish.



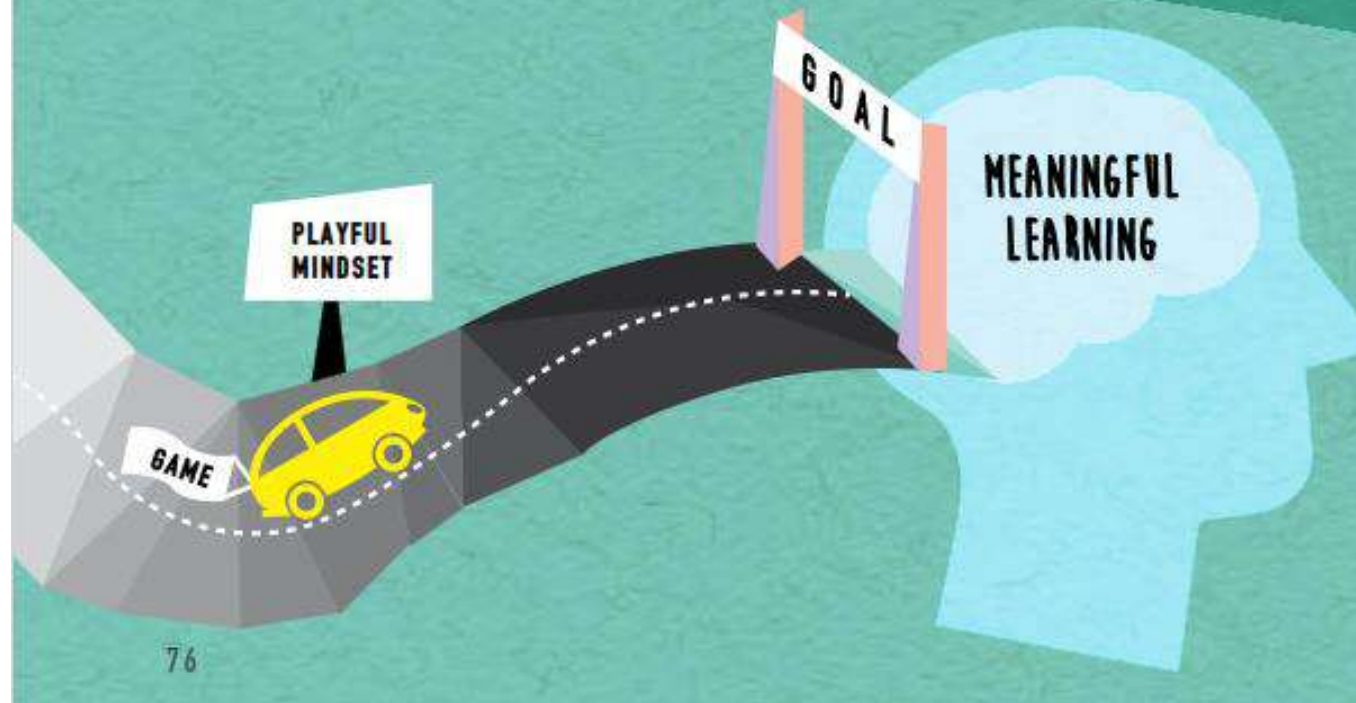
SOME OF THE PECULIARITIES OF GAMES THAT CONTRIBUTE TO THE DEVELOPMENT OF COMPETENCES AT ANY AGE, IN ANY GROUP OF PEOPLE, ARE THE FOLLOWING:







Meaningful learning  
is the goal. The way to get there  
is a Playful Mindset, and the  
vehicle we use is the game.



76

~ "MAKING THE SIMPLE ~  
*complicated*  
IS COMMONPLACE;  
~  
— making the —  
*complicated*  
AWESOMELY SIMPLE,  
THAT'S CREATIVITY"

CHARLES WINGUS




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# Free PDF download of the book



**Aprendo Jugando** Somos Becas Líderes Herramientas Cursos Generaciones Sala de juegos online



**Book "Playful Mindset: To create, educate, undertake and innovate"**


Digital version (PDF)

[Download eBook \[PDF\]](#)

This book is an invitation to develop your playful mind, to recognize the Learning Playing as one of the most effective teaching-learning methodologies and discover the gamification as an alternative to apply to different contexts.

**TOPICS ADDRESSED**

- What is the Playful Mindset and what is it for?
- Learning by Playing and Gamification
- 21st century skills
- How to intend a game (practical cases)



<https://aprendojugando.com/materiales/book-playful-mindset-to-create-educate-undertake-and-innovate/>



## Some ideas and recommendations

Thinking about the EnaBling Project and INTBIOTECH-CREATE,  
**what things seem important to me?**

# 1. Be honest about “what” the project is for.

Option 1:

## “To comply”

and to be able to say that things and efforts are being made in that direction (without defining goals), with many publications in social networks, but that after the passage of time things will remain more or less the same.

Option 2:

## “To take charge”

and work professionally to build innovative solutions that have a real impact on the learning and behavior of the beneficiaries, generating concrete improvements in the established goals.

**The actions associated with these options are very different.**



# What actions are performed?

## “To comply”

Conduct **diagnostic studies** that demonstrate the seriousness of the issue.

Embed **content in Web sites** (text, PDFs, videos, photos, etc.).

To **make talks and mass activities** from the traditional logic of awareness-raising.

Develop **communications and marketing** campaigns with publications in mass media and social networks.

## “To take charge”

All of the above

+

WORK FROM THE USE OF  
ACTIVE LEARNING  
METHODOLOGIES IN AN  
EFFICIENT AND  
EFFECTIVE MANNER.



# \* active learning



## METHODOLOGIES!

These are methodologies that bring people into a central role in the experience, where they are able to enjoy a fully interactive process of continual creation and leave behind the passive or receptive roles they are accustomed to. The focus is on the learner, not the facilitator; on what is learnt and not what is taught. This allows us to ensure the achievement of truly meaningful learning that can be transferred to real life.



# SOME ACTIVE LEARNING METHODOLOGIES



PROJECT-BASED LEARNING



INVESTIGATIVE LEARNING



LEARNING COMMUNITIES



REFLECTIVE LEARNING



WORK-INTEGRATED LEARNING



PROBLEM-BASED LEARNING



HOLISTIC LEARNING



LEARNING TO THINK



COOPERATIVE LEARNING



PEER ASSISTED LEARNING



LEARNING BY PLAYING



FLIPPED CLASSROOM



**How did you learn to ride a bicycle?**

Have we forgotten how to ride a bicycle?

**Nobody learns to ride just by watching videos on Youtube.**

**You have to get on a bike to learn to ride!**





## SKILL:

The aptitude of an individual's for completing a given task, activity, or action. **2**



SKILLS .....

+

KNOWLEDGE .....

+

CHARACTER .....

**COMPETENCE**



I CAN CONTROL  
THE BALL



I KNOW THE RULES  
OF SOCCER



I WANT TO PLAY AND  
TO WORK IN A TEAM

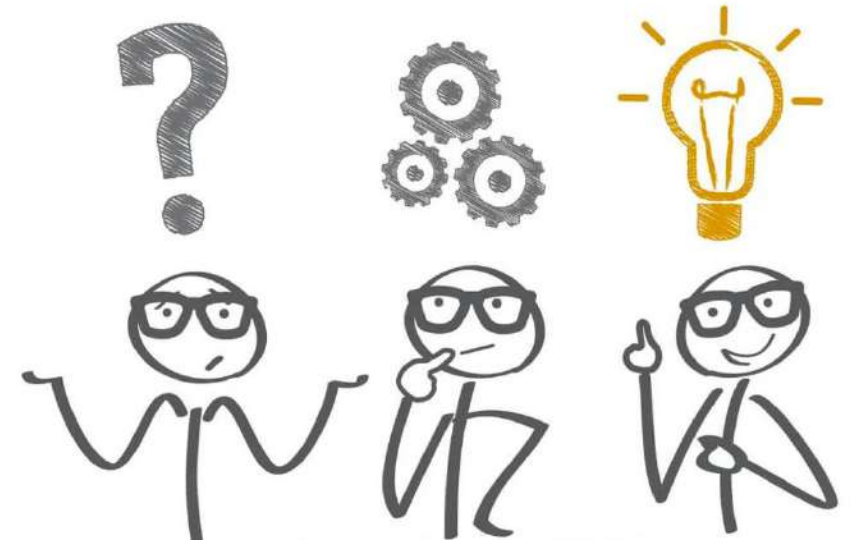


I AM A GOOD  
SOCCER PLAYER!

## 2. Managing it as if it were an innovation challenge.

**It is necessary to work on the challenge of innovation and the design of service experience that allows:**

- Structure a reasonable plan!
- To be able to answer how it is going to be done!
- With what methodologies and tools!
- How much it costs and how long it will take to do it!



# Let me give you a concrete example that I know from close quarters

At the level of the **Chilean population in general**, there is much to be done in terms of **financial illiteracy and behavior**:

*According to the Financial Literacy and Behavior Survey - UC Center for Public Policy 2017 (Chile):*

**71%**

of Chileans **do not know how to calculate simple interest**

**59%**

did not know how to answer the question about inflation

**53%**

correct in calculating of compound interest

**48%**

did not know the answer to the question about inflation is the average of all responses. This is below 68% of OECD countries.



**At the level of teachers,** financial illiteracy and the lack of teaching skills to teach financial education is another aspect to consider:

*According to the study “Financial Education at School - 2019. Literacy and financial behavior of teachers in Chile”, UC Center for Public Policy.:*

**7 out of 10**

teachers **do not have the confidence to teach** financial education content.

**49%**

of teachers surveyed **are financially illiterate.**



During 2023-2024 we carried out the  
“**Play and Learn Personal Finance**” project  
with the Government of Santiago  
(in all the municipalities of the capital of Chile):



- **1.000 teachers**
- **150 educational establishments**
- **Thousands of school children**

**Game-Based Learning (GBL)** is  
a “TRES” active methodology:

- **Transferable**
- **REplicable**
- **Scalable**

# Let's watch this video



## Juego de mesa: FinanCity

**Mo.0** momentocero  
356 suscriptores

Suscrito ▾

18



Compartir

Descargar

Guardar



3.3 K vistas hace 6 años

FinanCity Bilingüe español – inglés, simula el proceso de administrar los recursos de un hogar con todas las variables que ello implica.

<https://www.youtube.com/watch?v=aVe4CLQtREw>

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### 3. Teamwork and confidence.



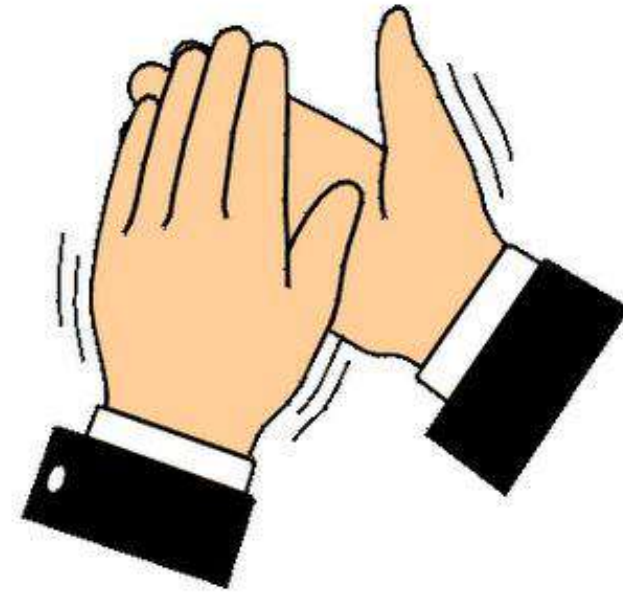
(Ants)

<https://www.youtube.com/watch?v=wNnwufNz760>

# 4. In a moment I will tell you...

LET'S PLAY TO APPLAUSE

FOR 10 SECONDS,  
EVERYONE PRESENT  
WILL APPLAUD...





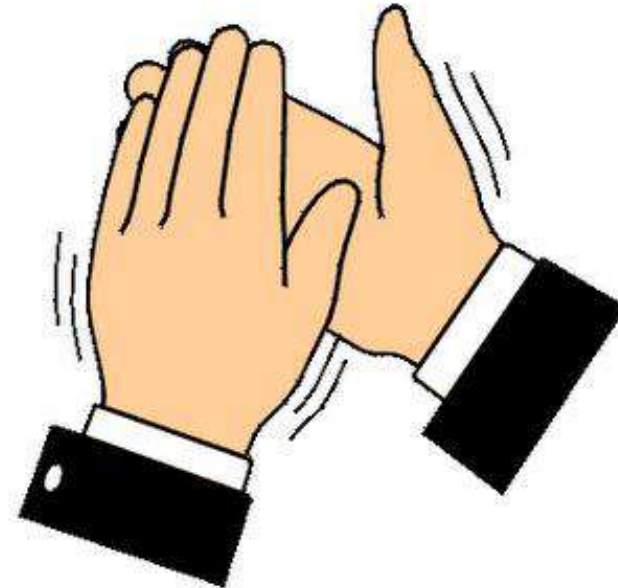
# 4. In a moment I will tell you...

What grade would you give to the applause?

**1: Very bad** - **7: Excellent**

LET'S REPEAT THE EXPERIENCE

FOR 10 SECONDS,  
EVERYONE PRESENT  
WILL APPLAUD...



# 4. In a moment I will tell you...

How did we do on the second occasion - worse, the same or better? Why?



Did you do your best?

Can you applaud better?

do you want to do it again and do it better?

LET'S REPEAT THE EXPERIENCE

FOR 10 SECONDS,  
EVERYONE PRESENT  
WILL APPLAUD...






## 4. Do your best to get it right.

It makes no sense to do things any other way.





# Thank you!

;=)

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