

LEVERAGING EDUCATIONAL INNOVATIONS

and Gamification for Sustainable University Funding
and Enhanced Classroom Engagement

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AGENDA

Projects and funding

Games in education

Possibilities

Games in use

Innovations

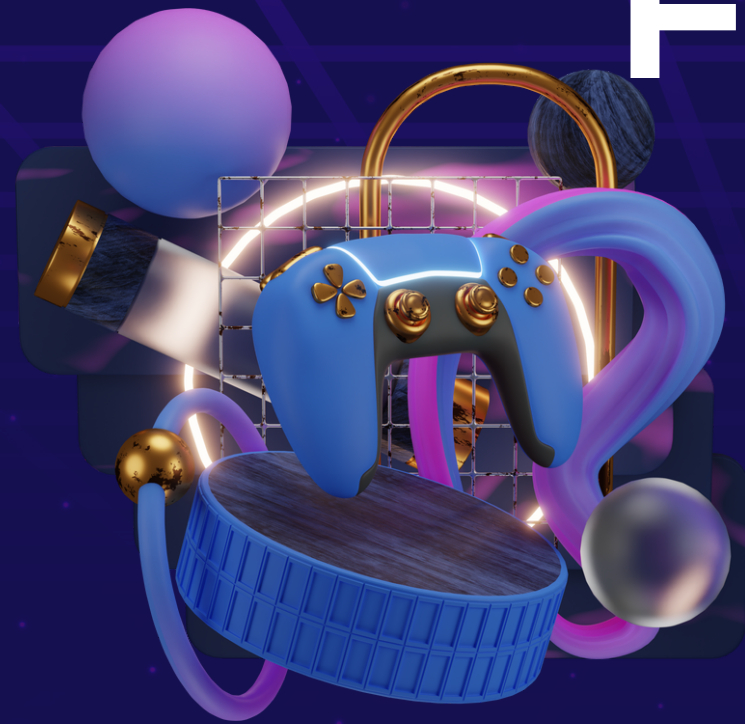
Why should we care?

Numbers

Gamification



PROJECTS AND FUNDING



UNIVERSITY

Research Department Grants (Statutory Grants)
from 1000 zł to 25 000zł (form 200 to 5000 euro)

+ external projects



RESEARCH CENTRES

National Science Centre
National Centre for Research and Development
National Cultural Centre
Ministry of Education and Science

Funding schemes

Funding

Funding

- » [Funding schemes](#)
- » [Call timeline](#)
- » [NCN Panels](#)
- » [Call results](#)
- » [State aid](#)

The National Science Centre supports basic research by funding **research projects** carried out by **individual researchers and research teams**, both on the domestic and international level, as well as **doctoral fellowships** and **post-doctoral internships**. NCN announces calls for proposals four times a year. The NCN grantee must be employed at a Polish host institution. Additional conditions applicable to each call are set forth by the Council of the NCN.

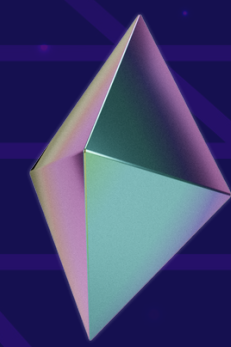
See the short description of NCN funding schemes by clicking one of the links below:



[OPUS: general grants](#)



[PRELUDIUM: pre-doctoral grants](#)



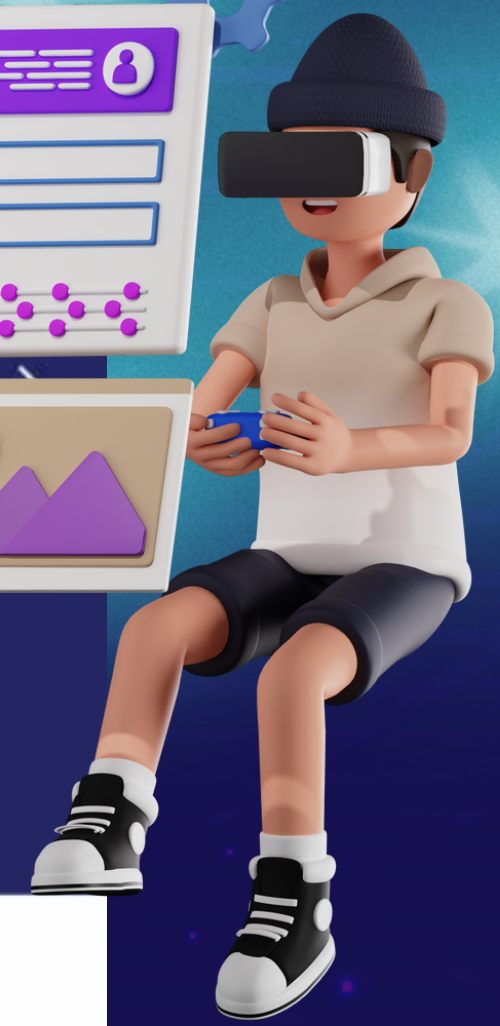
- of Ministers
- ncery of the Prime
- es
- institutions
- ces of the RP
- ices for citizens
- ices for business
- ices for officials
- ices for farmers
- profile



The future is happening with us

FIND FUNDING

Information portal
Find out more >



News

[See all](#)

NCBR **BSP**
BRUSSELS TALKS
POWERED BY NCBR OFFICE IN BRUSSELS
NATO INNOVATION FUND POLICY
WITH MR PATRICK SCHNEIDER-SKORSKY
MONDAY, 27 NOVEMBER 2023, 14:00-15:00

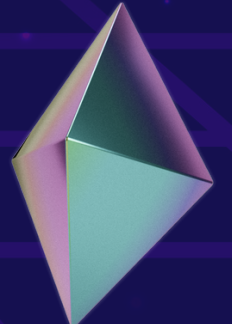
10.11.2023

NCBR **NAP**
WELCOME TO Nevada THE SILVER STATE

06.11.2023

Research & Innovation
Transforming European Healthcare
Thursday | 16 November 2023
09:00 – 17:00
Permanent Representation of the Republic of Slovenia to the EU
Boulevard du Régent 45-46, 1000 Brussels
On-site in-person event

03.11.2023



INNOVATIONS INCUBATOR



APPLICABLE RESEARCH



**SPIN OFF
COPARTNERSHIPS**



MARKET PROJECTS

INNOVATIONS



INNOVATIONS INCUBATOR 4.0. -GRANT



Historical RPG – Culinary heritage of Poland – Historical and cultural education in the idea of tinkering for bringing the pillars of Polish culture closer to the Ukrainian community

INNOVATIONS INCUBATOR 4.0. -GRANT



thinking and tinkering

INNOVATIONS INCUBATOR 4.0. -GRANT



thinking and tinkering

INNOVATIONS INCUBATOR 4.0. -GRANT



thinking and tinkering



INNOVATIONS INCUBATOR 4.0. -GRANT



Research problem:
HERITAGE in a pro-integration context
HISTORY for youngsters

**INNOVATIONS
INCUBATOR 4.0.
-GRANT**

76%

(Mccall 2021)



INSTRUKCJA





Gospodarz

Przyjmował na swój dwór,
dbał o porządek domu, póspiech sług.
Gospodarzy charakteryzowała
duża otwartość - każdego gościa
starał się przyjąć jak najlepiej.



OWOCE



Obowiązkiem Kuchmistrza
był nadzór nad kuchnią królewską,
dbałość o jakość i smak potraw.
Każdy członek rodziny królewskiej
miał swojego kuchmistrza.
Jego zadaniem było również
kierowanie kuchnią
i personelem kuchennym.



WARZYWA



Przyprawnik



Worek Niespodzianek

INNOVATIONS INCUBATOR 4.0. -GRANT

Commercial potential
License sell - no additional income

INNOVATIONS INCUBATOR 4.0. -GRANT

How did we do it?

STEP 1. Basic research

STEP 2. The idea

STEP 3. Application for funding

STEP 4. Applicable research process

STEP 5. The innovation

GAMES IN HIGHER EDUACTION



GAMES

a cultural element of
developing knowledge
about the world



30 YEARS

integration of historical
narrative with
computer games



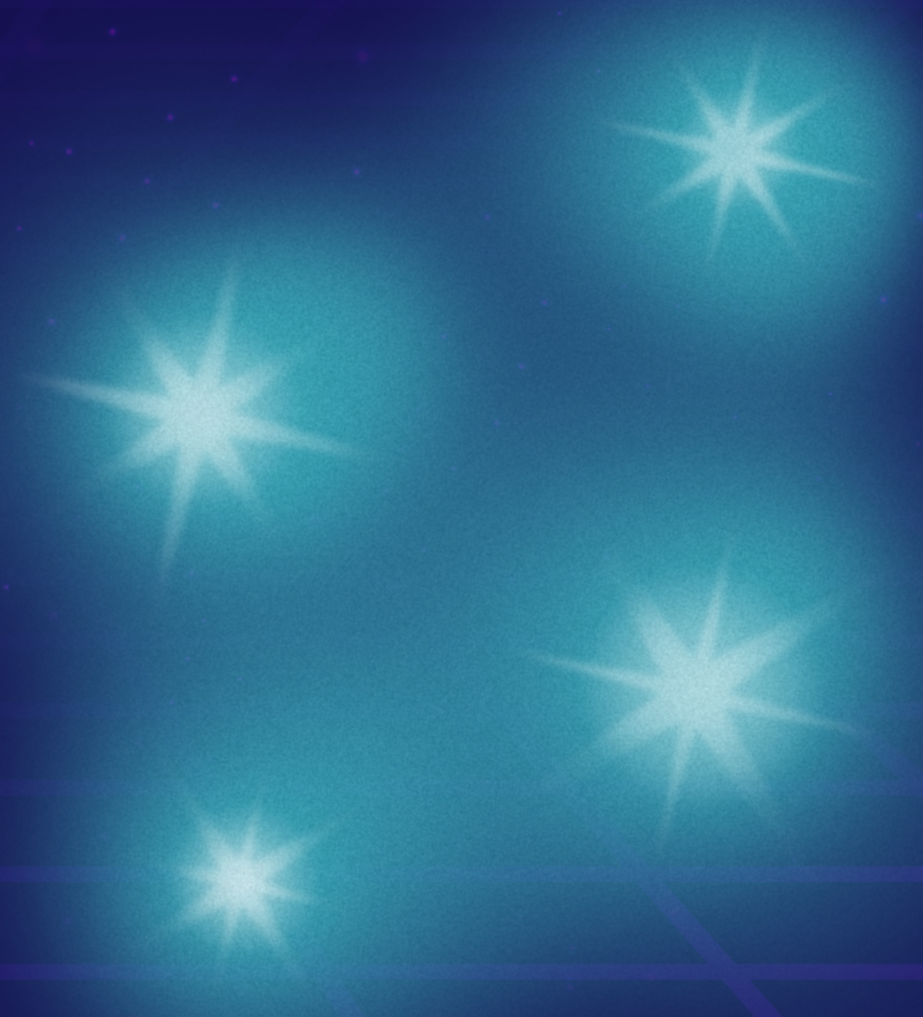
HISTORICAL GAMES STUDY

the specificity of
interactive disclosure
of historical threads in
the format of
computer games

wow

121 MILLION

OVER 1 MILLION 200 THOUSAND DAILY



FANTASY AND EDUCATION

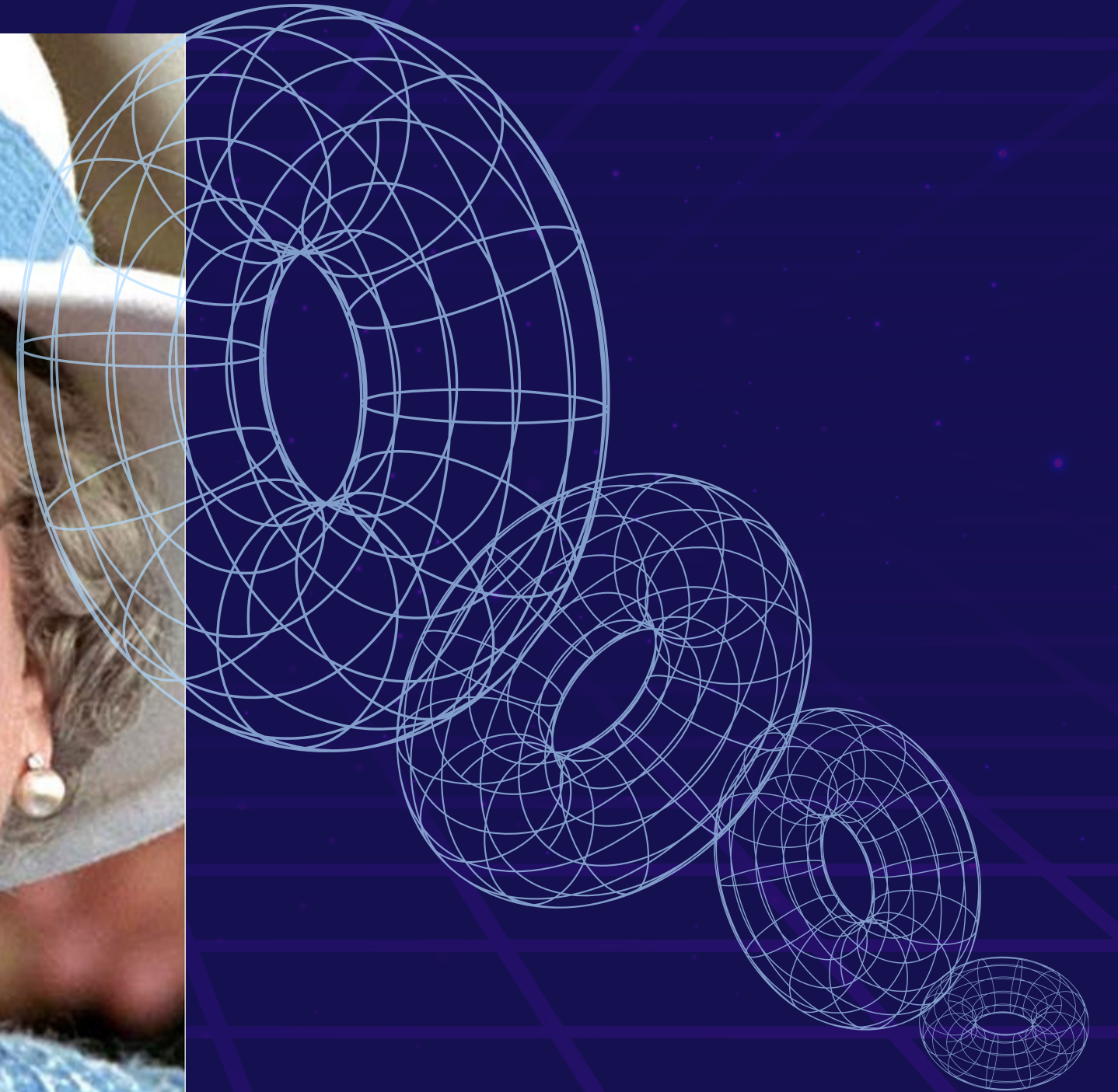
Duality of the
(hi)storical
world



FANTASY AND EDUCATION

Two modalities:
syncretic game
information
board

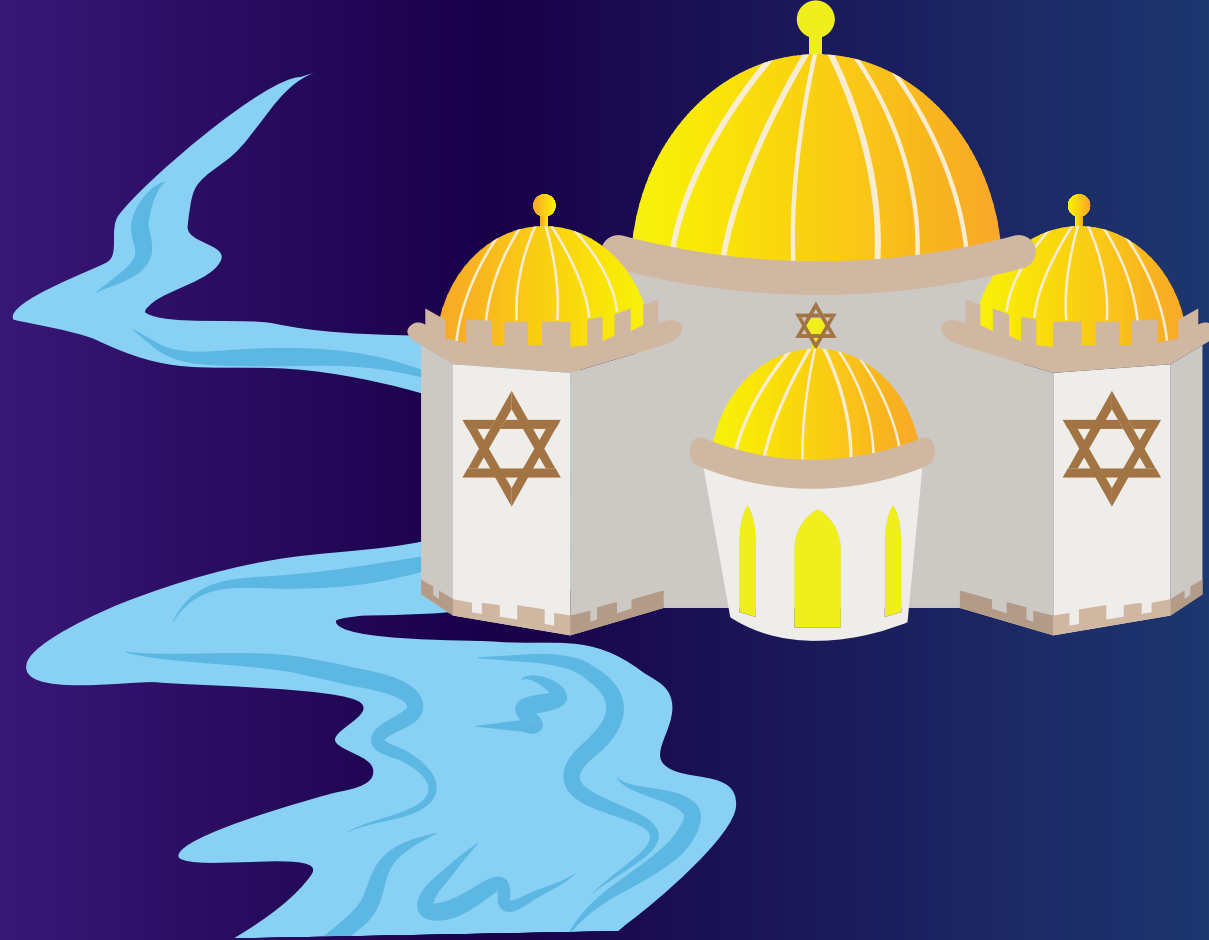
subjective
interpretation of
the rules



WHY SHOULD
WE CARE?



Funny facts about Bydgoszcz



Bydgoszcz Castle



1346–1656
(RUINS TILL 1895)

SURROUNDED ON ALL SIDES
BY WATERCOURSES

THE BRDA RIVER



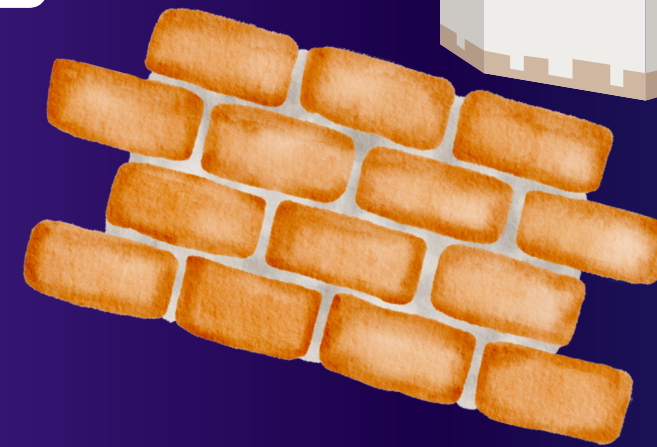
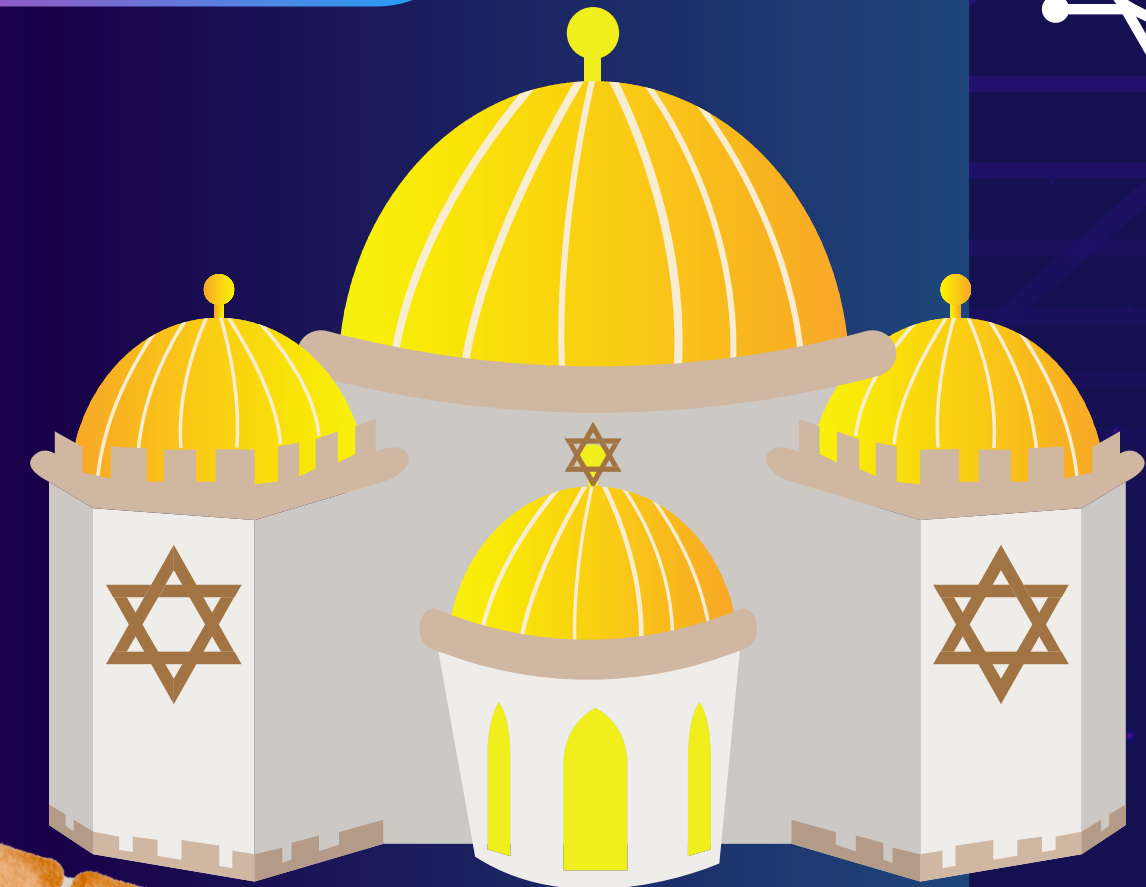
Synagogue



NEAR THE OLD SQUARE
IN THE CITY CENTRE



DEMOLISHED
IN 1940



SET ON FIRE
BY THE GERMANS



Bydgoszcz Dialect



ROJBER – HOOLIGAN
BAMBER – SIMPLETON

BRYLE – GLASSES



BAJZEL – MESS



Funny facts about Bydgoszcz



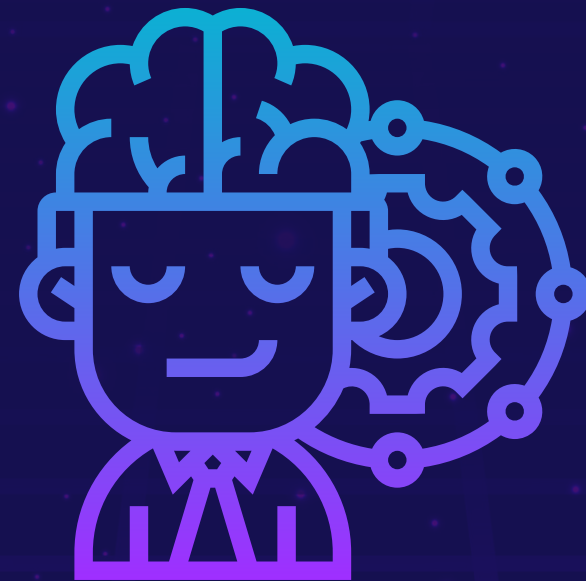
WHAT DOES BAJZEL MEAN?

WHEN WAS THE SYNAGOGUE DEMOLISHED?

IS THERE A CASTLE IN BYDGOSZCZ?

IS BYDGOSZCZ'S RIVER CALLED BERDA?

OTHER EXAMPLES



experience

KAZIMIERZ WIELKI



30 KWIETNIA 1310



5 LISTOPADA 1370

AKADEMIA
KRAKOWSKA



1333

Ruś Halicka

Ruś Włodzimierska

Podole

Terytorium x3



Aldona
Adelajda
Krystyna
Jadwiga



- czy Kazimierz żył ponad 70 lat?
- Ile żon miał Kazimierz?
- Czy na pieczęci majestatowej Kazimierza widnieje koń?
- Ilukrotnie zwiększyło się terytorium za jego panowania?
- Co Kazimierz zrobił dla Krakowa?
- W którym roku Kazimierz był koronowany?

POWSTANIE STYCZNIOWE



22 STYCZNIA 1863

FINISH

PAŹDZIERNIK 1864

1200 BITEW I
POTYCZEK



10-20 tys. poległo
1 tys. stracono
38 tys. na Syberie,
10 tys. wyemigrowało

praca organiczna

działanie na rzecz
rozwoju
gospodarczego
ludności z ziem
polskich



*Bolesław Prus
Hipolit Wawelberg*



Czy Bolesław Prus brał udział w Powstaniu?

Czy praca organiczna jest działaniem samorozwojowym?

Ilu powstańców poległo?

Czy w trakcie Powstania odbyło 12000 potyczek?

Czy Michał Archanioł jest elementem herbu Powstania?

Czy Powstanie rozpoczęło się i zakończyło w tym samym roku?

BINGO!

BINGO
Postacie historyczne



Ignacy
Łukasiewicz



Joseph Conrad



Jadwiga
Andegaweńska



Mikołaj Kopernik



Ignacy Paderewski



Józef Piłsudski



Tadeusz
Kościuszko



Maria
Skłodowska-
Curie



Adam Mickiewicz

Uporządkuj od najstarszego

XIII W

XIV W

XV W

XVIII W

Uporządkuj od najstarszego

XIII W

XIV W

XV W

XVIII W

GAMIFYING CLASSES



OUR EXPERIENCES



Gamified
Simulations

Revas – Simulation games

Games provided by REVAS:

- Business Planning;
- Project Management;
- Business Management.

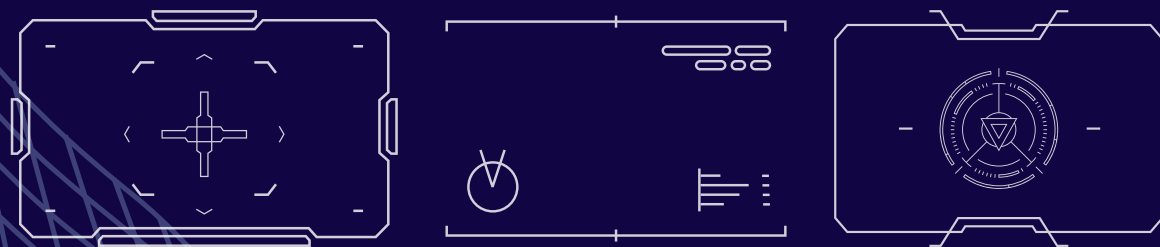
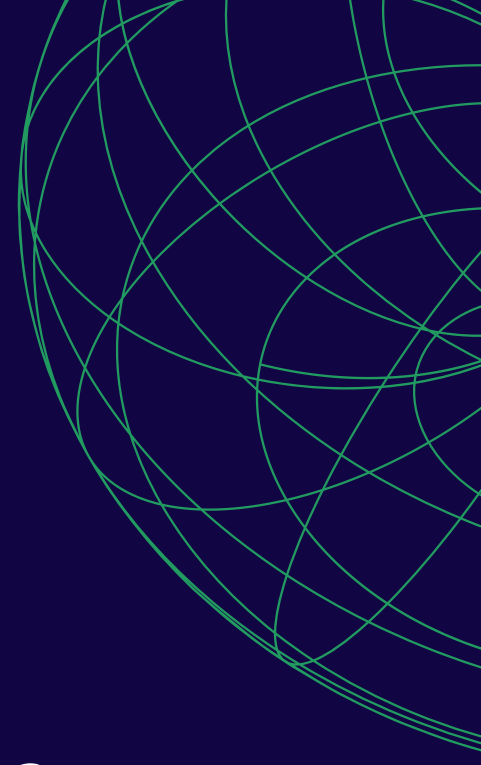
Available in three languages,
suited for our students' needs.





Business Planning

An interactive and elaborate business plan presented through a simulation game.
Safe environment simulating the process of creating one's company in Poland.



Project Management

Simulated project management, delving into every detail and intricacy of the procedures.

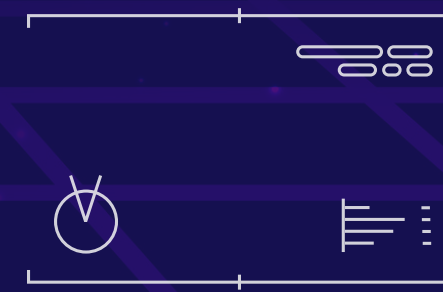
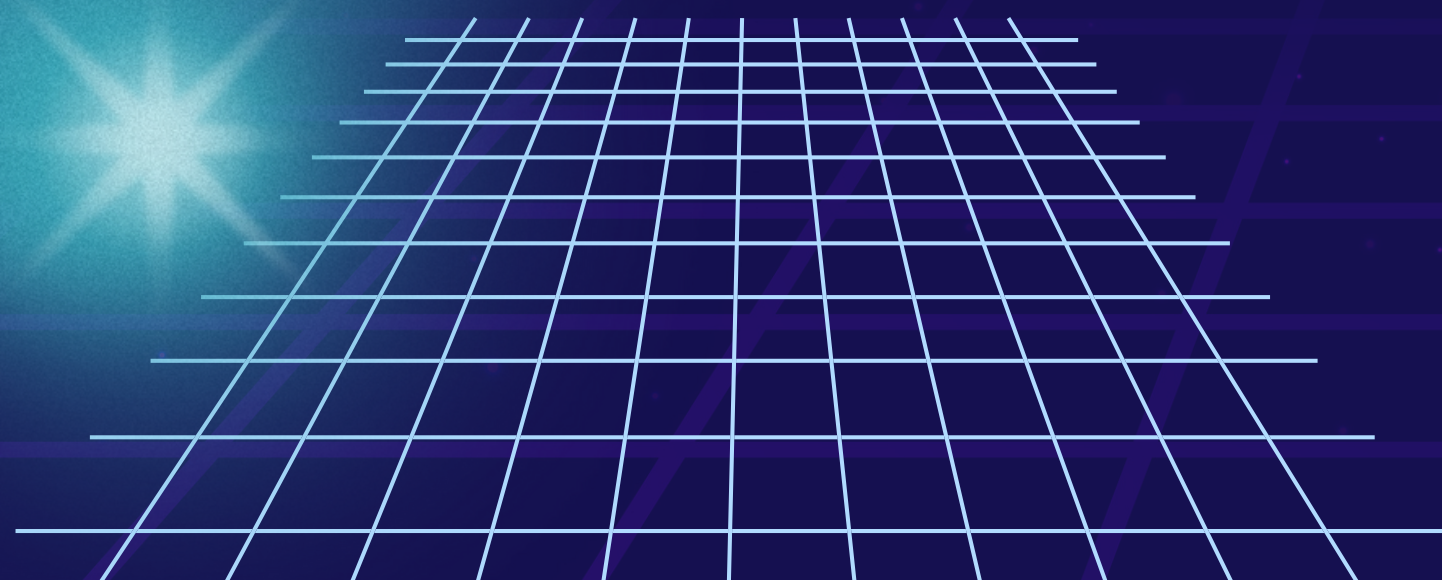
Crafted to exemplify the decision-making process, providing valuable insights into strategic choices and their outcomes.



BUSINESS MANAGEMENT

+ A comprehensive simulation of the company's operations, structured into 12 turns.

Each turn mirrors a month, simulating a year of operations for the enterprise.



ACT 1

6) HALL WALK OF SHAME
LYDIA ARRESTED?
ENTER MID DEPOT

12) BACKYARD, NIGHT
"YOU SHOULD GET NEW CAR TOOP"
"LEAVE IT UP TO YOU"
"NICE!"

ACT 2

10) YV - MARIE DRIVES
"HANK... WANTS TO MEET LATELY"
"HE... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

12) WALK DOWN LONG AISLE
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

ACT 3

9) MIKE EXPLAINS
"THE WAY TO BE"
"WHAT?""JESSE'S TRYING TO BACK, BUT LYDIA"

12) BACKYARD, NIGHT
"YOU SHOULD GET NEW CAR TOOP"
"LEAVE IT UP TO YOU"
"NICE!"

Each simulation presents different scenarios

1) EXT. WHITE HOUSE...
PEOPLE'S ARRIVES
ALSO... A BRAND NEW ALZA... WOW!

7) MID MANAGER DON "HIM"
DON CLIPPED OFF SECRET
LOOK BETWEEN HIM & LYDIA

12) "WHAT IS THIS MONE OUT?"
"DUNNO... JR TO BOARDING SCHOOL, ETC"
"WHY?"

1) INT KIT
"BACON... FARM..."
"JR FORGET SOMETHING!"

12) EXT BACKYARD, NIGHT
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

13) HANK, WALT IN DIN
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

13) HANK, WALT IN DIN
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

13) HANK, WALT IN DIN
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

14) "WHAT IF KIDS BLAME OUT?"
"I DUNNO... JR TO BOARDING SCHOOL, ETC"
"WHY?"

2) WALT'S FEELING FINE
"JR... LESS SO... WHAT DO YOU THINK?"
"SENSEING JR'S... EALOOK..."

8) ALONE LYDIA CALLS MIKE
"BUSTED MY GUY -- SORRY, IT'S OVER, RIGHT?"
"MIKE: "NO!"

14) "WE'RE NO GOOD FOR THEM"
WALT SOOTHES... "LIFE IS GOOD"
"I WANT CHOC. CAKE"

2) JR WALT TO PLATE
"SKY SPELLS 'S1'"
WALT: "GREAT FARM TEAMWORK!"

8) EXT BACKYARD, NIGHT
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

13) HANK, WALT IN DIN
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

13) HANK, WALT IN DIN
"HANK... TALKS ABOUT HIS NEW CAR WITH HANK, ETC"

11) BATHROOM
"HEAVY SKY BRUSHES TEETH INTO MIRROR BEHIND HER."
WALT SHOWS HER MONEY

14) "WE'RE NO GOOD FOR THEM"
WALT SOOTHES... "LIFE IS GOOD"
"I WANT CHOC. CAKE"

3) JUMP-CUT TO EMPTY DRIVE LATARE
"ALZA ARRIVES..."
"THEN CHALLENGER TRY JR"

9) AFTERNOON
"SKY DRIVES UP HOME FROM WORK"
"WHO'S THIS IN DRIVEWAY?"

3) PHOTO OF GUS. PAN TO NEW
"PHOTO BEING ADDED"
WALT COMES.

9) AFTERNOON
"TRUCK TILES AHEAD"
"GOOD FEELING INTERRUPTED BY SKY TIPPING INTO EDGE..."

2) CUT TO TRUCK DOOR
"LYDIA QUESTIONS: "HOW I KNOW YOU'RE NOT COFF?"
"JESSE: "IS HE DRIVE AHEAD, C'MON!"

10) DINNER
"SILENT, STONE-FACED SKY EATS WHILE GODY JR."
WALT LAUGH.

4) BLACK FRAM
"REVEAL LYDIA IN OFFICE"
"LISTENING TO COFF..."

10) DINNER
"SILENT, STONE-FACED SKY EATS WHILE GODY JR."
WALT LAUGH.

4) INT WHITE HOUSE
"WHITE PULLS UP CHECKS-TEETH"
"EYES STREET FOR FAMILIAR CAR'S NOPE."

10) AFTERNOON
"WALKS TO DEEP END, SIMPSON-FUSION BECOMES CONCERN."
"SAVE HER!" OFF CALM SKY...

4) CUT TO - HEAD WITH BAND-AID
"WHITE EAST CEREAL, ALL ALONE."
"SAD TABLEAU. HANG: "COMING!"

9) AFTERNOON
"SKY DRIVES UP HOME FROM WORK"
"WHO'S THIS IN DRIVEWAY?"

5) GERMAN CALLS
"DROPPHON..."
"YOU GOT VICTORS IN..."
"OH SKY!"

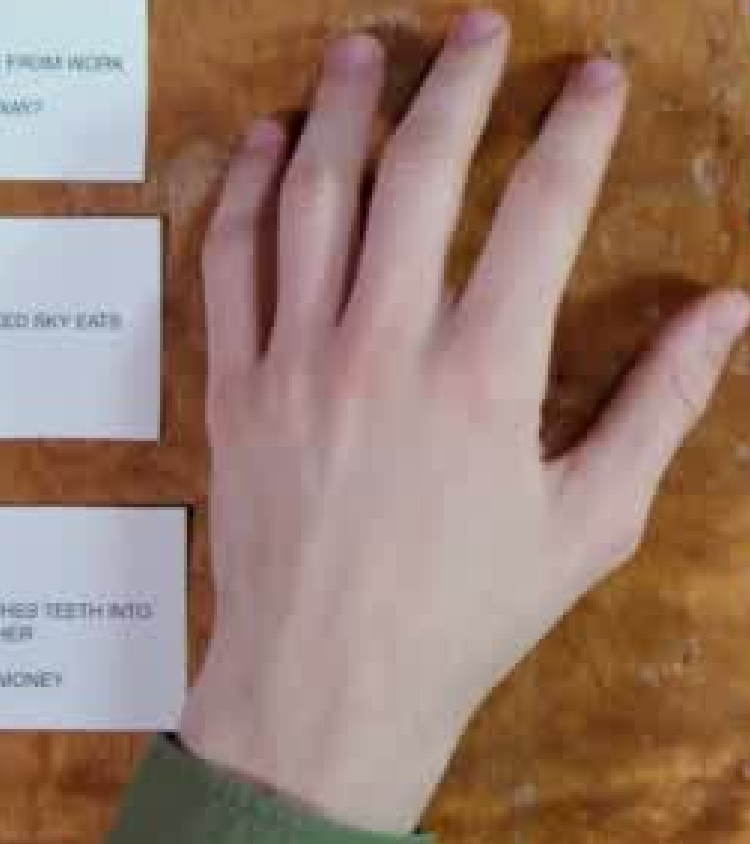
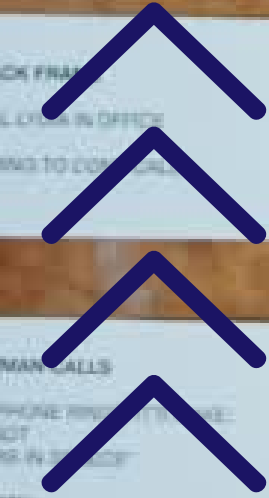
11) BATHROOM
"HEAVY SKY BRUSHES TEETH INTO MIRROR BEHIND HER."
WALT GIVES HER MONEY

9) "WHAT'S UP?"
"SKY TELLS OF HANK"
"MARE: MENU, CHOC. CAKE. "UH... SOUND GOOD"

11) CUT TO - TRUCK DOOR OPENS
"REVEALING JESSE"
"NERVOUS LYDIA: "YOU'RE MIKE'S GUY?"

9) CLOSE - WALT'S HANDS
"JESSE ARGUE: "LOOK MR. WHITE"
"I SHOWED PHONE PIC OF OPS"

8) ALONE LYDIA CALLS MIKE
"BUSTED MY GUY -- SORRY, IT'S OVER, RIGHT?"
"MIKE: "NO!"



| AUTOMOTIVE WORKSHOP |

| RENOVATION COMPANY |

| TRAVEL AGENCY |

| EVENT AGENCY |

| HAIR SALON |

The background features a dark blue grid pattern with a perspective effect. In the top right corner, there are three overlapping wireframe spheres. In the bottom right corner, there are three overlapping wireframe grid planes.

Accounting office

Exemplary gameplay of the “Business Management - Accounting Office Simulation”.





 DEFINE YOUR COMPANY'S MISSION STATEMENT.

EXAMPLES OF MISSION STATEMENTS

-
-
-
-

PROVIDE MISSION STATEMENT OF YOUR COMPANY

Wsparcie rozwoju biznesu.
Zapewnienie dokładności finansowej.
optymalizacja podatków.

SAVE



AR AND VR

Medical simulations and much more



WHAT ARE YOUR
EXPERIENCES
WITH
GAMIFICATION?



THANK YOU
FOR YOUR
ATTENTION

ewelina.gdaniec@byd.pl

