



Gamification & Game-Based Learning in Education

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Why this matters, policy-wise?

NEP 2020

Experiential, holistic, integrated, inquiry-driven, discovery-oriented, learner-centred, discussion-based, flexible, Enjoyable

- **4.21:** Language teaching enhanced through **gamification & apps**
- **4.25:** Mathematics and computational thinking through **puzzles & games**
- **24.4 (d):** Digital repository **Learning Games, Simulations, AR/VR**

1

Distinguish
Gamification vs
Game-Based
Learning

2

Identify
Examples
across subjects
& **Criteria** for
selection

3

Contextualise &
create engaging
learning
experiences

Gamification

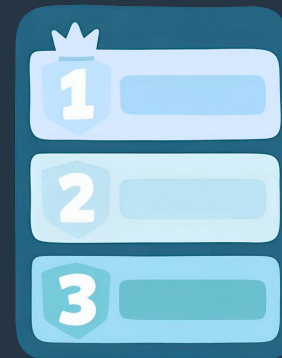
Adding game elements to non-game activity.



Points



Badges
Certificates



Leaderboard



Levels

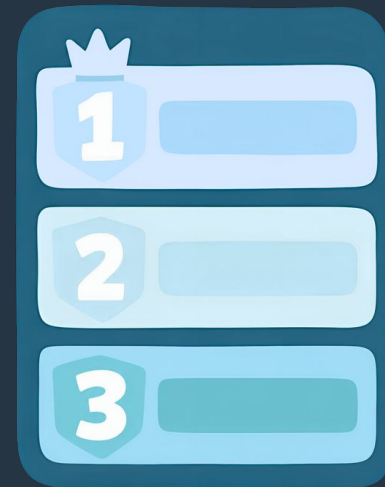


Streak

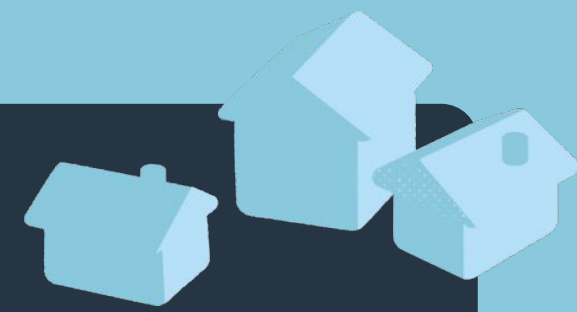


Rewards

Gamification in class



- Homework
- Worksheet
- Activity
- Reading Program
- Attendance
- ...



Game-Based Learning (GBL)

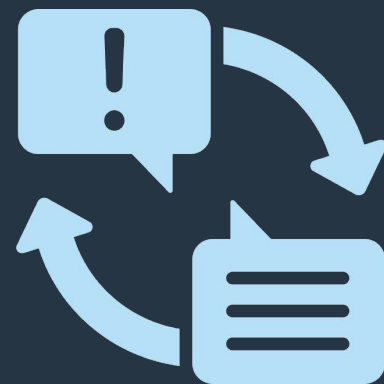
The learning activity itself IS an actual game



Clear
goal



Rules



Challenge-feed
back loop



Story/
Context



Player
choice



Progression

Gamification

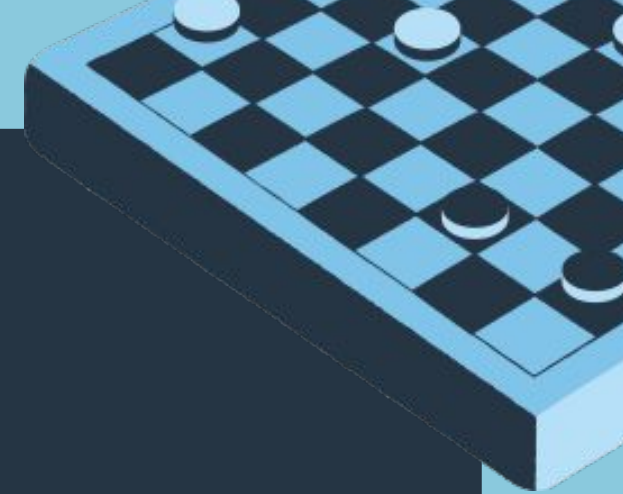
vs.

GBL

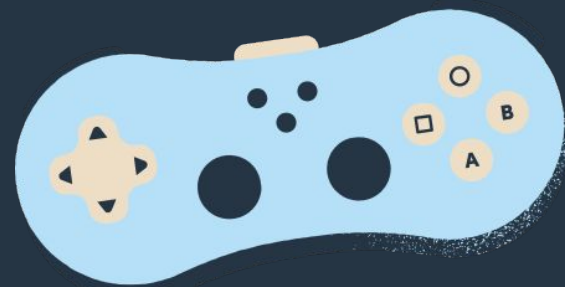
Strengths

- Boosts engagement for routine/repetitive tasks
- Builds habits: attendance, practice, reading logs
- Low effort to set up
- Track ongoing progress

- Deepens understanding through learning by doing
- Makes failure safe
- Builds problem-solving, teamwork, strategy
- Adjusts naturally to different paces



Types of GBL



Interactives
Quiz, Puzzles
Simulations,
AR/VR,
Serious games

...

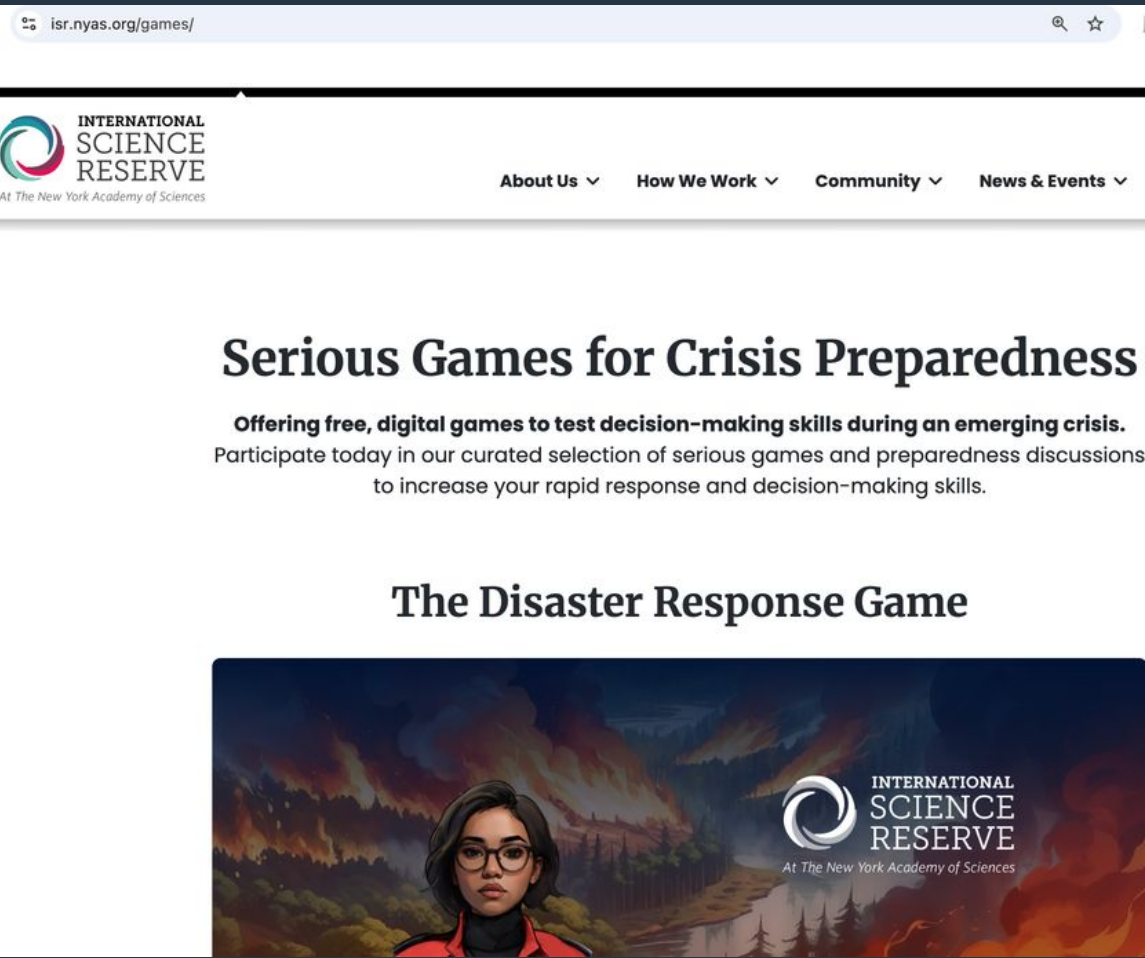
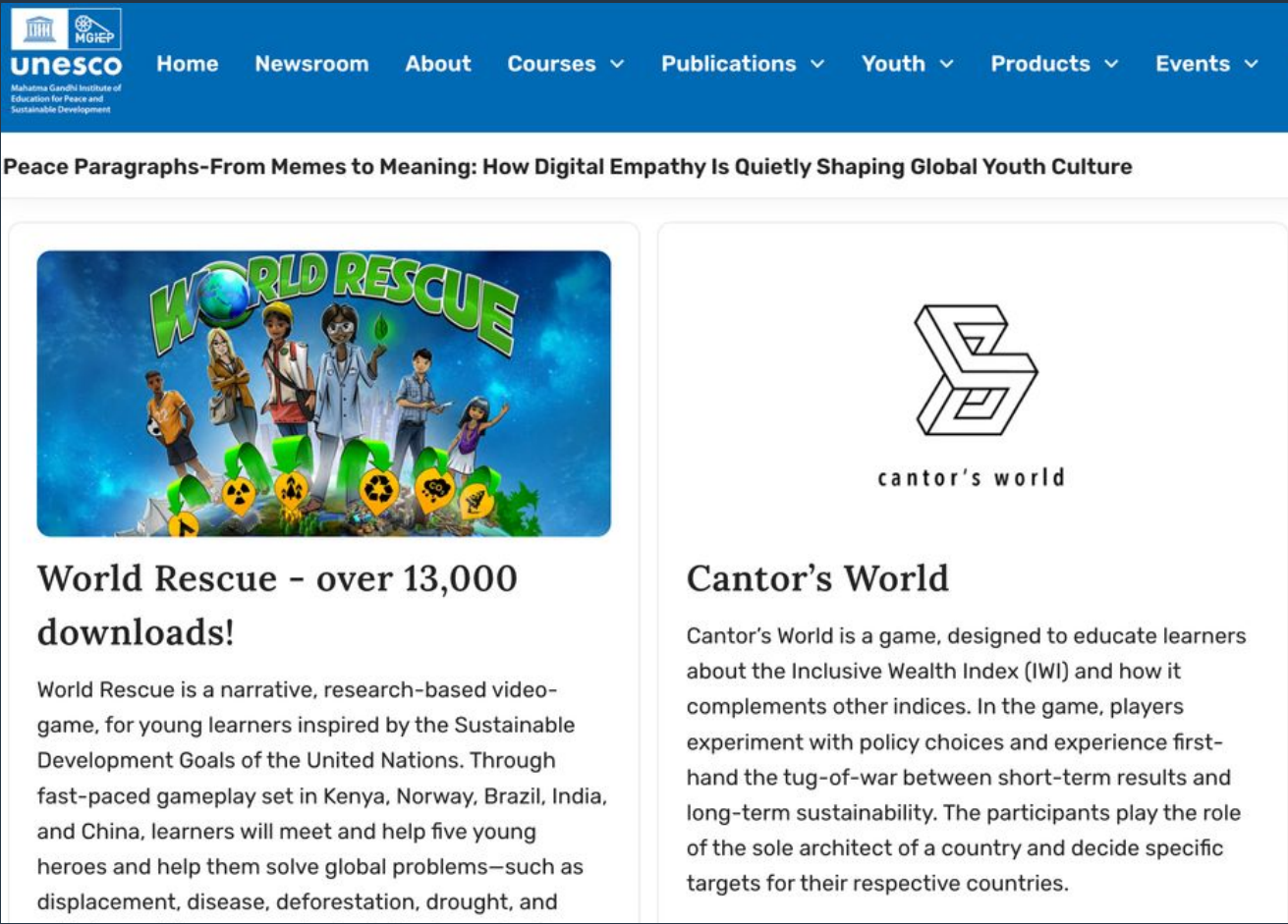
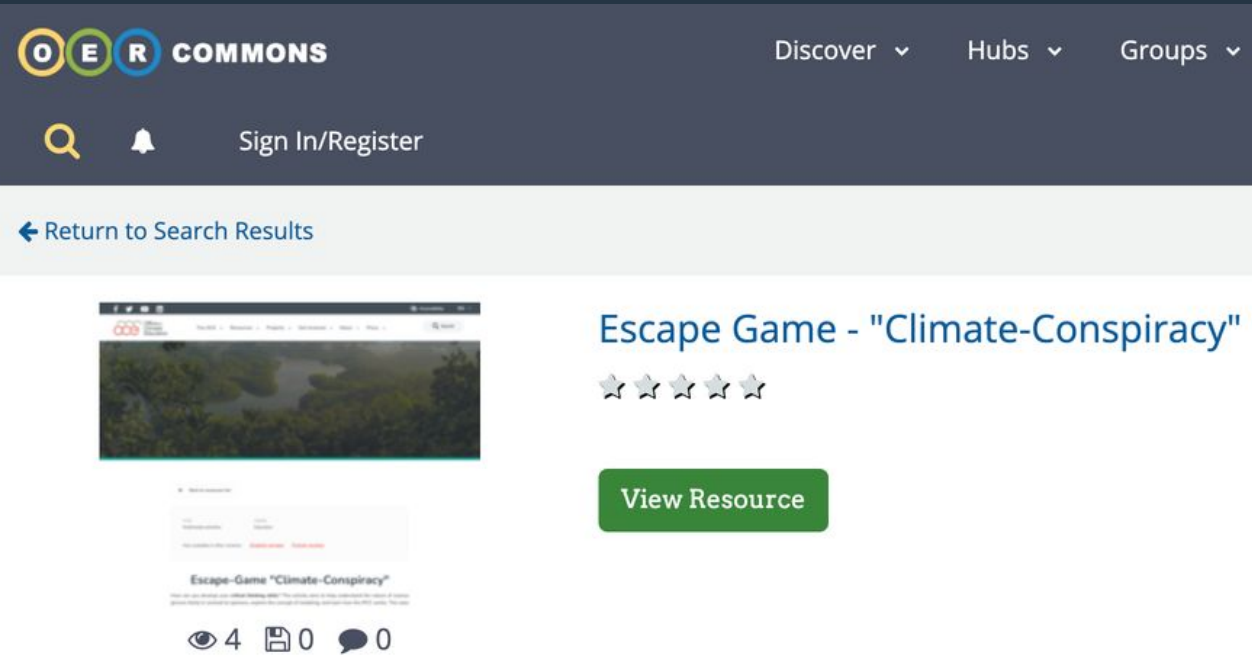
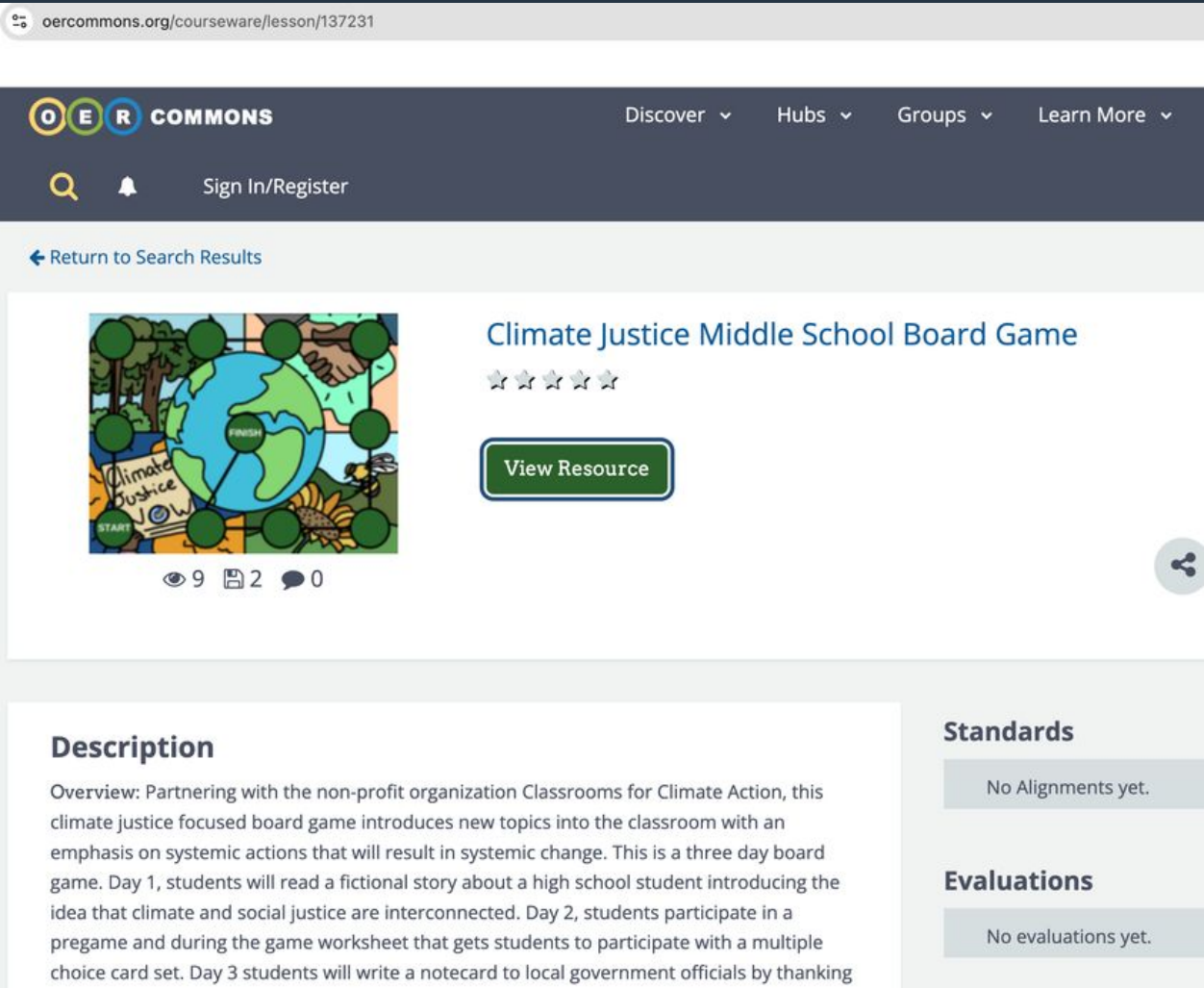
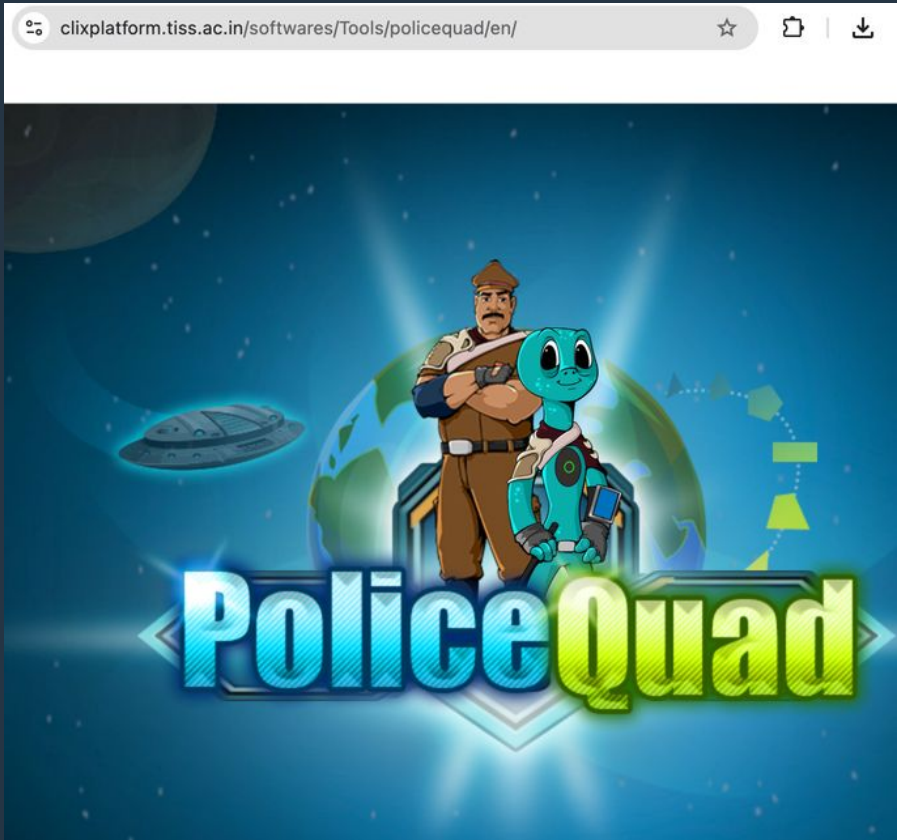
Role plays
Escape games

...



Board game,
Card game

...



Where to find games?

- Jaadui Pitara
- DIKSHA
- OER Commons
- ClixOER
- Sugarizer
- UNESCO MGIEP Games for learning
- Teachers pay teachers (Free resources also available)
- ...

Criteria for selection



Goal
aligned



Age
appropriate



Meaningful
learning

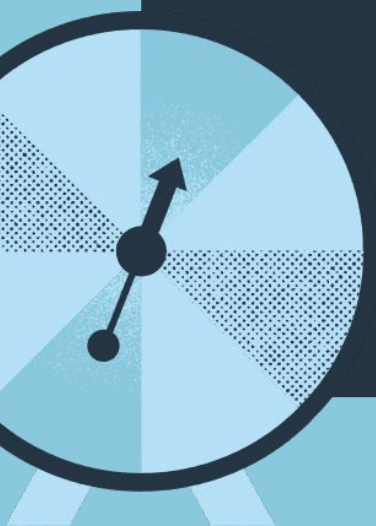


Easy to
Manage



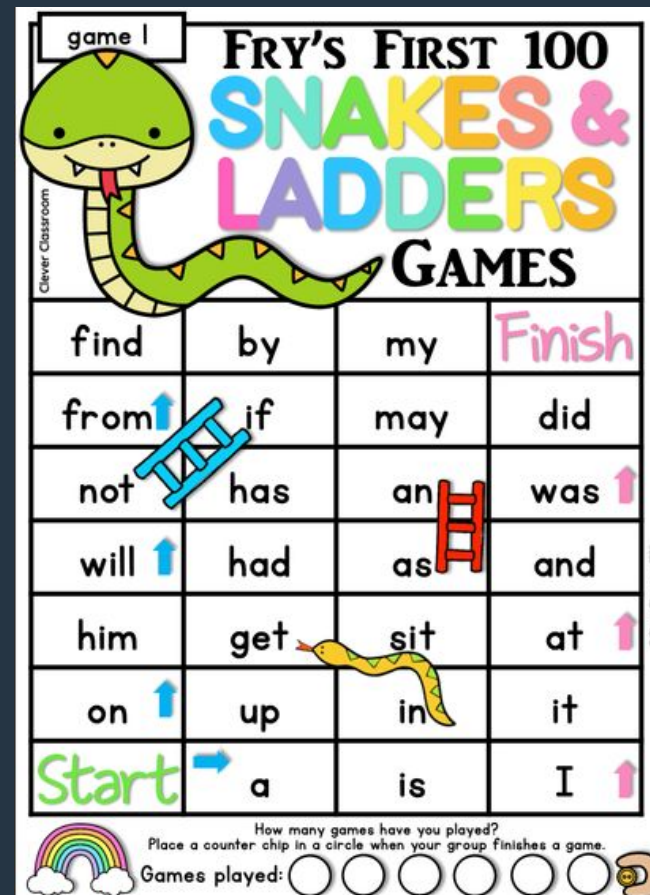
Safe &
Inclusive

Reuse games
Adapt existing games
Contextualise games
Create games



Adapt existing games

Snakes & Ladders/
Game of Goose



UNO



Vocabulary

Bingo/Tambola



MY FREE
Bingo
CARDS

Bingo Card Generator

Number Bingo

Virtual Bingo

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Science Bingo Cards and Games

Make free Science bingo cards. You can print at home or send out individual bingo cards to play virtual bingo on any device. All bingo cards can be edited and customized to get them just the way you want.

Science Bingo has categories **Biology**, **Chemistry**, and **Physics**. Or you can browse all Science Bingo below.

< 1 2 >

DNA Codon Bingo

UAU	CAG	CGG	AAG	GUC
UAA	ACC	CUG	AUA	UGC
UUU	AUU	UAG	CGU	GGA
AGG	GGG	AUG	CAU	CUC
CAA	GCG	ACA	UGU	CCA

Animal Classification

bird	echinoderm	myriapod
crustacean	arachnid	fish
mammal	amphibian	reptile

Bacteria and Viruses

flagella	antibiotic	photoautotroph	species	bacteria
conjugation	eubacteria	phylum	class	retrovirus
endospore	eukaryote	gram staining	bacilli	genus
prokaryote	kingdom	biochemical tests	capsid	
lysogenic cycle	virus	lytic cycle	order	cocci

BRAIN BINGO

motor cortex	EEG	frontal lobes	Wernicke's area	limbic system
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CELLS BINGO

cell sap	chlorophyll	red blood cell	vacuole
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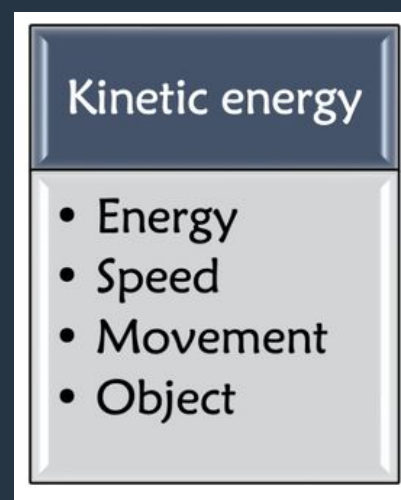
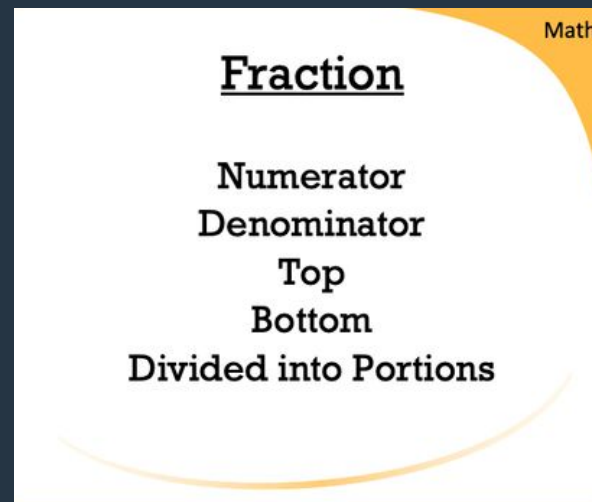
Human Organs

Bone	Heart	Skin	Trachea
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Vocabulary

Taboo



TPT

taboo math

Grade Resource type Seasonal ELA Math Science Social studies Languages Arts Special education Speech therapy

Taboo Math

50+ results

Sort by: Relevance

Grade Subject Supports Free Format All filters (1)



Multiplication TABOO - Math Minute to Win It Game

Created by [Palmetto Class](#)

FREE

★ 4.7 (28)

Download

Wish List

Multiplication TABOO - Math Minute to Win It Game This Minute to Win It style game has been transformed to better meet the needs of your math content! This FREEBIE includes one game that is played in the same style as the popular game of TABOO...

3rd - 5th Basic Operations, Math



60 Third Grade Math Taboo Cards

Created by [Career Student](#)

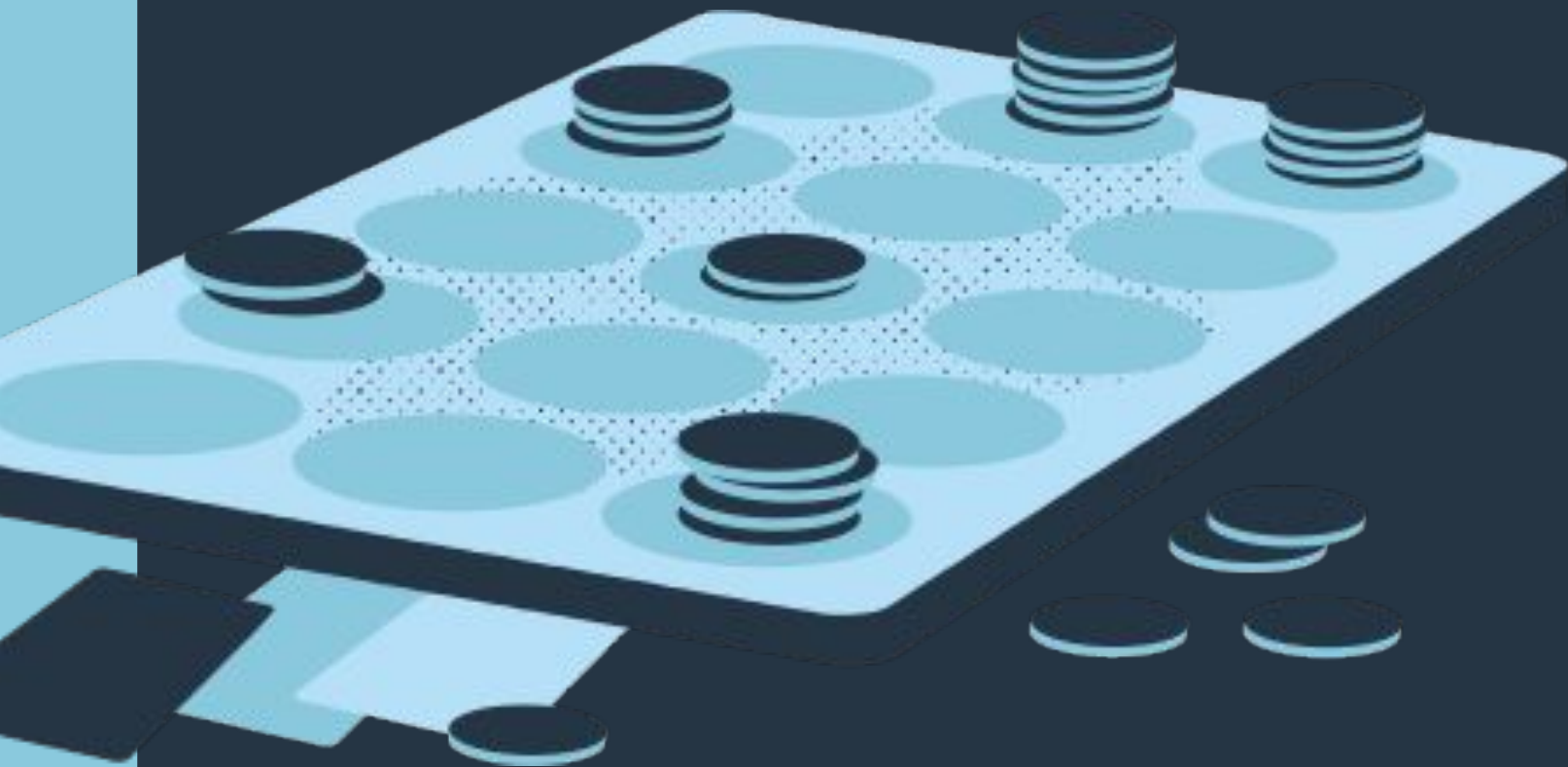
FREE

★ 5.0 (4)

Download

60 Third Grade Math Taboo Cards Created by looking at a mixture of Common Core and California standards and released testing questions. I tend to use this as a "review" activity or fun activity before a test. Mixture of definitions and concepts --...

Contextualise



Adapt as per context

- Language
- Level
- Region



Create games

- Puzzles (Crosswords, etc)
 - Quiz
 - Cards
 - ...
- Online Generators
 - Templates
 - Tools
 - Google Forms
 - Slides
 - H5P - Lumi
 - Twine
 - ...
 - Gen AI

Game On. Learning On.

