



Gamification: a playful learning

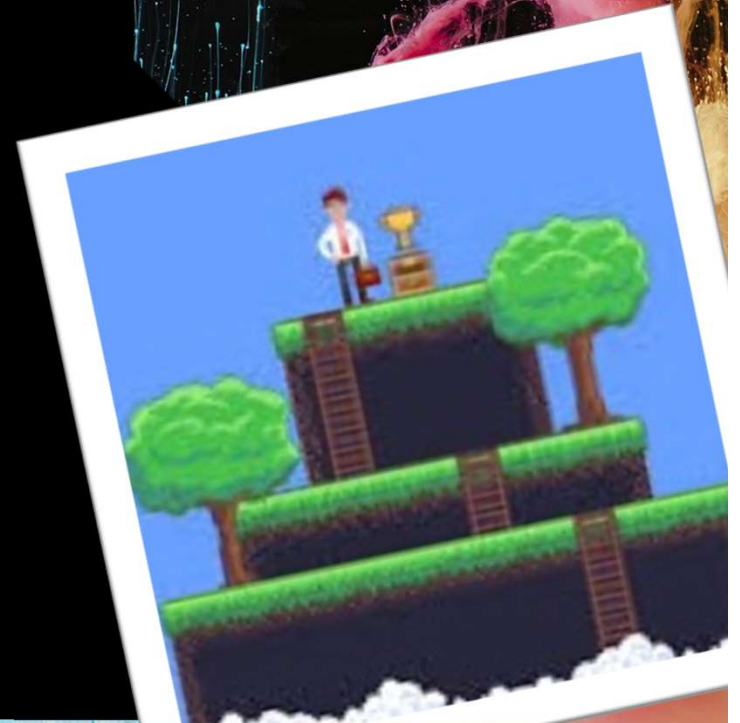
Definition, Effectiveness and Elements

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Level 1: what is **gamification**

- ❖ “Process of using **game thinking** and **mechanics** to **engage** audiences and **solve** problems.” Gabe Zichermann
- ❖ “The broad trend of employing game mechanics to **non-game environments** such as innovation, marketing, training, employee performance, health and social change.” Gartner Group
- ❖ “Using **game techniques** to make activities more engaging and **fun**.” Amy Jo Kim

So

“Gamification is using game-based mechanics, aesthetics and game thinking to engage people, motivate action, promote learning, and solve problems.” Karl Kapp

Level 1: what is not



Video games



Pointsification
Badgification

Level 2: gamification VS similar concepts





Gamification VS Similar Concepts

- ❖ **Games:** are collaborative or competitive activities played according to a set of rules. Games usually have an end-goal or win-state.
- ❖ **Educational Games = instructional games (in education)**
- ❖ **Serious Games:** specific purpose, related to training, comparing to pure entertainment.

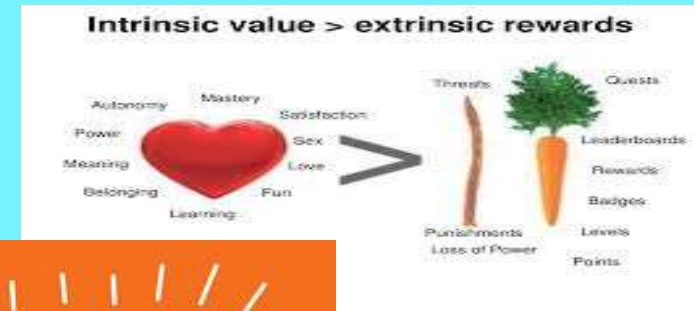
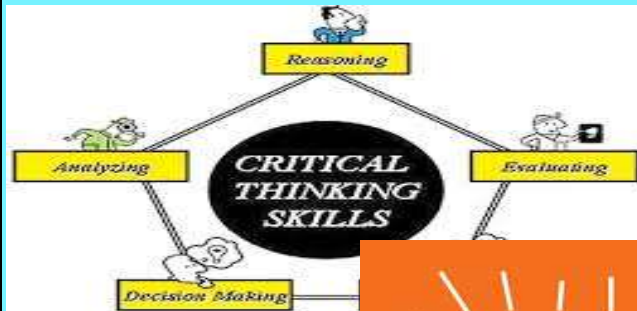


Gamification VS similar concepts

- ❖ **Game-based Learning:** A form of **student-centered learning**
- ❖ **Simulations:** operational models of real-world processes or systems



Level 3: Application Efficacy



LET'S CHANGE!

Level 4: Elements



Goals

Purpose, focus, and measurable
Outcomes



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Rules

Simple or complex
conditions/limitations for
describing the relations
between players and
game environment



Conflict

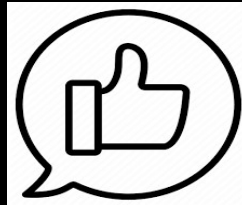
Dynamic, human or computer-
controlled obstacles that prevent
easy realization of the objective by
player(s)

Level 4: Elements



Reward Structure

Badges, points, and rewards



Feedback

User finds out about progress and achievements and evoking correct behavior, thoughts or actions.



Storytelling

A simple concept behind gamification that turning complicated subject into something simple

Level 5: Successful examples





Life is more fun if you play a game

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