

# Why it would be a good idea to use games in personal finance education?

- Activates students to think about topics that might not be that relevant for them right now
- Enables them to take roles that are otherwise not available: for instance, young adult, parent, employee making retirement decisions
- Through narratives, they may promote future orientation instead of presentmindedness
- Good examples of programs that are based on role-taking: Finance Park and Biztown by Junior Achievement (and related programs)



#### Similarities between games and economics

- Well-defined goals
- Optimization under constraints
- Scarcity of resources
- Opportunity costs
- Many games involve also exchange and currencies
- Personal finance curriculum that is based on economics may utilize these similarities





### Formal vs. informal learning

- Learning occurs also outside structured learning situations
- Because of the similarities of of games and economics, it is possible that much relevant learning can occur in entertainment games in non-structured learning situations (Minecraft, World of Warcraft, The Sims etc.)
- However, there is a role for a teacher to help students to recognize this learning



### General benefits of games in learning

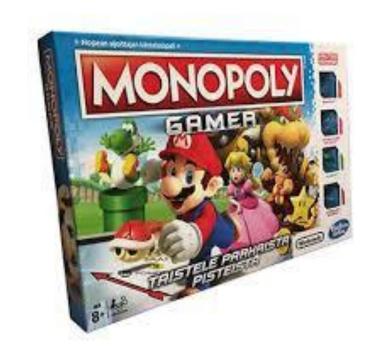
- Roletaking
- Social interaction and teamwork
- Goal setting
- Exploration in a safe environment
- Feedback





## Variety of games

- Digital games
- Board games
- Role plays
- Simulations
- Escape rooms





### Recent research on the use of games in teaching

- Kalmi & Rahko (2022) JEE
- Three different game providers
- Studies classrooms where games were introduced vs. others were they were not in Finnish lower secondary schools
- Evidence that the use of games helped to improve knowledge, impact on behaviors & attitudes is more uncertain
- https://www.tandfonline.com/doi/full/10.1080/00220485.2022.2038320
- More evidence on the role of games in the chapter by Kalmi and Sihvonen in the Handbook of Financial Literacy, Cude and Nicolini (eds.), Routledge 2021



#### Some conclusions

- Ready-made digital games can help the workload of teachers
- However, the role of the teachers in not redundant:
- choosing the right games for the right occasion
- relating games to the issues discussed in the curriculum
- facilitating a discussion on the experiences from the game and helping students to reach the learning goals

