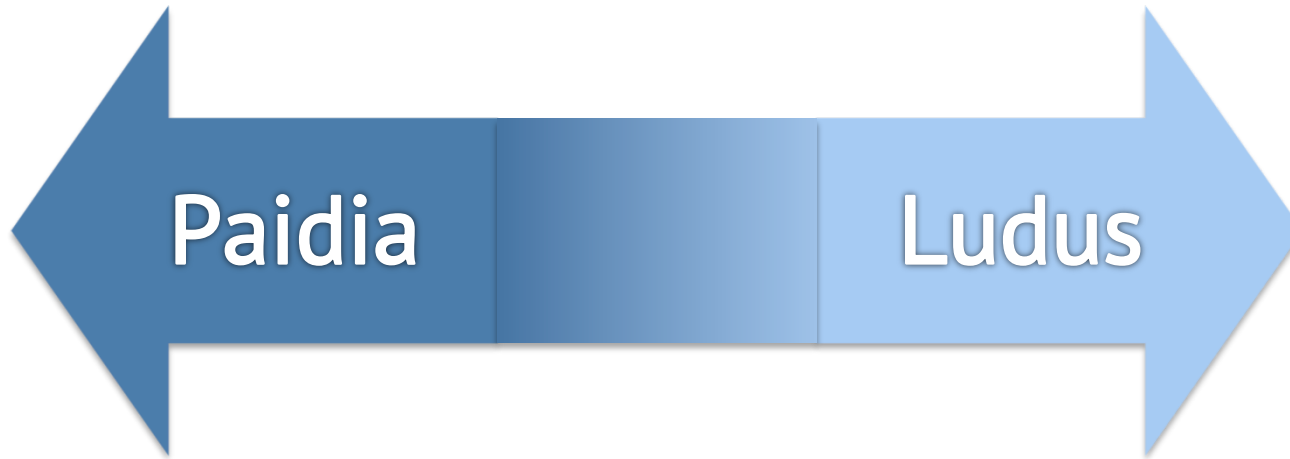


GAMES AND PLAY

Prof. Kevin Werbach
@kwerb

Roger Callois



Play

“Play is the aimless expenditure of exuberant energy.”

Friedrich Schiller

“Play is whatever is done spontaneously and for its own sake.”

George Santayana

“...play creates a zone of proximal development of the child. In play a child always behaves beyond his average age.”

Lev Vygotsky

“Play is free movement within a more rigid structure.”

Katie Salen & Eric Zimmerman

Games

“A game is a closed, formal system that engages players in a structured conflict, and resolves in an unequal outcome.”

Tracy Fullerton, Chris Swain and Steven Hoffman

“A game is a series of meaningful choices”

Sid Meier

“A game is a ... domain of contrived contingency that generates interpretable outcomes.”

Thomas Mallaby

“A game is a problem-solving activity, approached with a playful attitude.”

Jesse Schell

Takeaways for Gamification

- **Voluntariness**
- **Learning or problem solving**
- **Balance of structure and exploration**