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21st century skills

The development of softskills, critical thinking and problemsolving, contributes to some essential elements of the process of knowledge.

21 st century skills are needed in a world that is facing global economic swings affecting social exclusion, unemployment and inequality.





21st century skills

Competencies for learning and innovation:

- 1. Critical thinking and collaborative problem solving
- 2. Creativity
- 3. Communication and relational learning
- 4. Strategic thinking





21st century skills

These skills are an important vehicle that provides access to the knowledge and knowledge network of others.

As society changes, the skills needed to negotiate the complexities of life also change.





Challenge to play

Piaget: "Play is the answer to how anything new comes about."

A playful mind thrives on ambiguity, complexity, and improvisation.

The very things needed to innovate and come up with creative solutions to the massive global challenges in economics, the environment, education, and more.





Workshop:

Task:

- Form mixed groups of 5 persons.
- Built a tower together, as high as possible and use the materials which are given.
- Put the marshmellow on top.
- You have 15 minutes.







In which way did you collaborate?





Reflection after the game

Questions:

- What made you create new forms or solutions?
- What does this tell you about your way of learning?
- Which role did you take in collaboration?
- What did you discover about how you are challenged to solve problems?





The roles you play in life according to your personality

► Are you a Wolf?

►An Ox?

► A Butterfly ?

►Or a Capricorn ?







Personal typology in collaboration







Reflection on the game and your role in collaboration

- Join your spaghetti game group;
- Reflect on your role while you were playing the game;
- In which way did you contribute ?
- Is there a relation between your role character and the way you have been acting?





Interactive: what was the outcome?



Outcome

- Gaming seen as metaphor in combination with reflection can be a way to become more aware of your collaboration & problemsolving skills, personal talents and way of learning.
- A playlike attitude stimulates creative insights and enforces to perceive from different perspectives
- Playlike activities put us into a psychological state where it's ok to fail, where it's ok to wonder "what if?" A result of that thinking is the ability to freely explore the unknown..

Hogeschool 4

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Are you playing as much as you need to thrive in the 21st century?





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