THE STEMOOV MODEL AS A PRACTICAL TOOL TO IMPROVE STEM EDUCATION: A PILOT STUDY

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Introduction



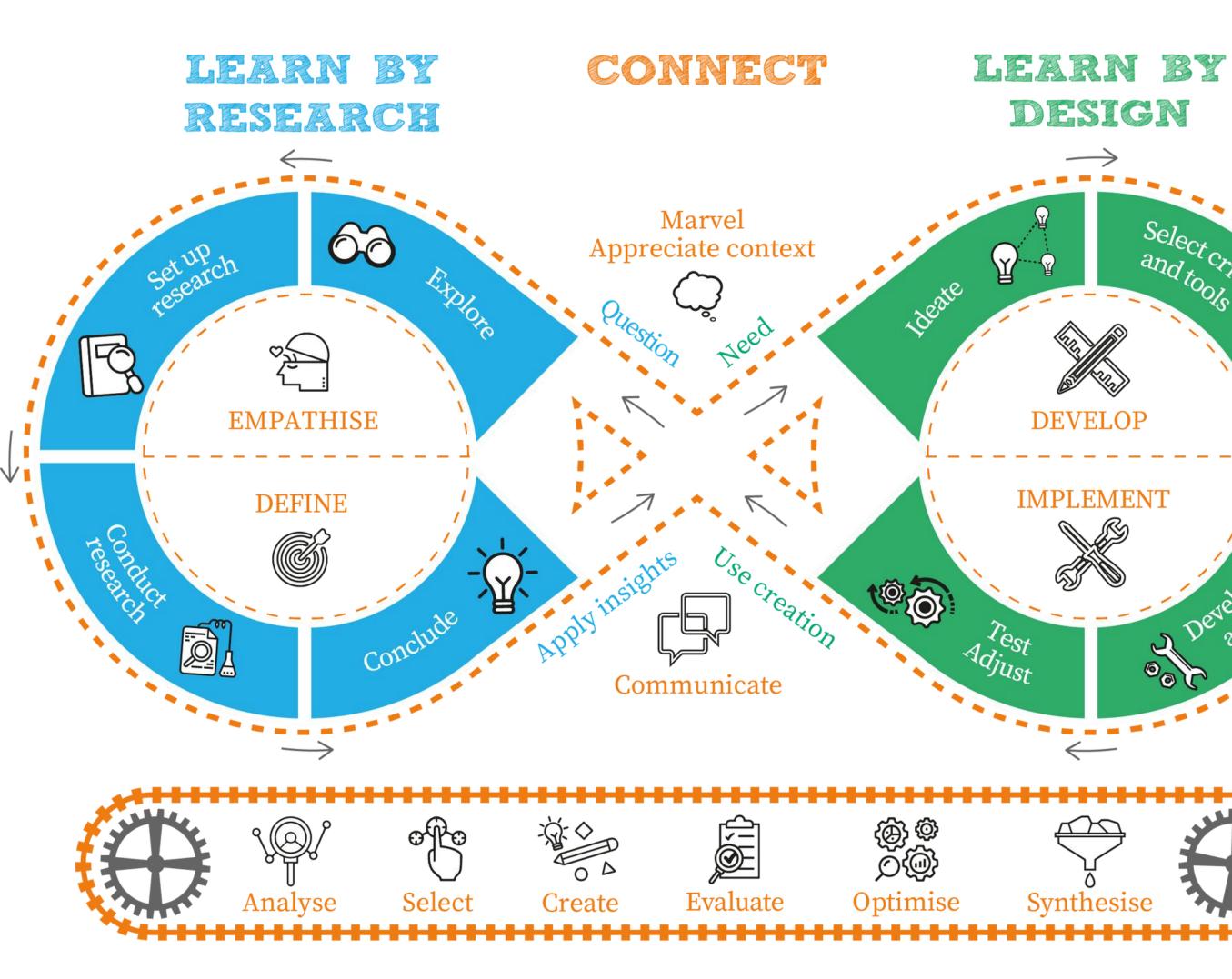
Context

Complex and rapid evolutions require '21st century skills'.



Problem

Providing qualitative STEM education.



STEMOOV model Selector and tools ---Developcon **Drototy**

Pilot study

- Experiences of secondary school students that carry out a project
- Experiences of pre-service teachers that develop a project



Questionnaire

- Students (n=100)
- Likert-scale questions (5-point)

Interviews

- Pre-service teachers (n=8)
- Strenghts/weaknesses/skills

First results

+ STEMOOV provides structure and supports interdisciplinarity ? applicability

Brainstorm

What is needed to increase the ease of use of the STEMOOV model?

Why would you or would you not use the STEMOOV model in your own practice?





Future research

Optimizing STEMOOV model

STEMOOV in ESD

Determining sustainability goals (SG)

Implementing SG in secondary education

Thank you!

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