

STEMinAction

Call 2020 Round 1 KA2 - Cooperation
for innovation and the exchange of
good practices

KA203 - Strategic Partnerships for
higher education

Form ID: KA203-99114F20

Project 2020-1-TR01-KA203-094309

Duration:

31.12.2020 to 31.12.2022 (24 month)



Co-funded by the
Erasmus+ Programme
of the European Union



University College VIVES



Stephanie Vervaet

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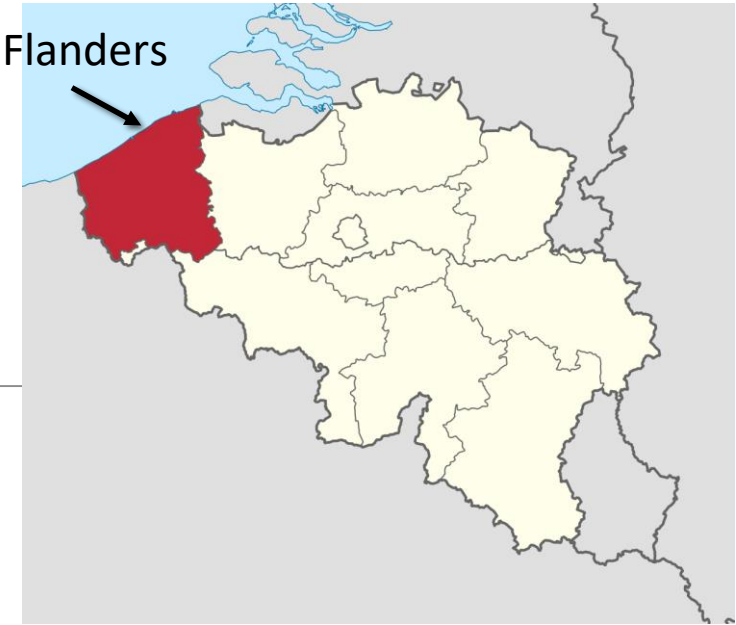
Department of Education

Expertise Centre Innovation in Education

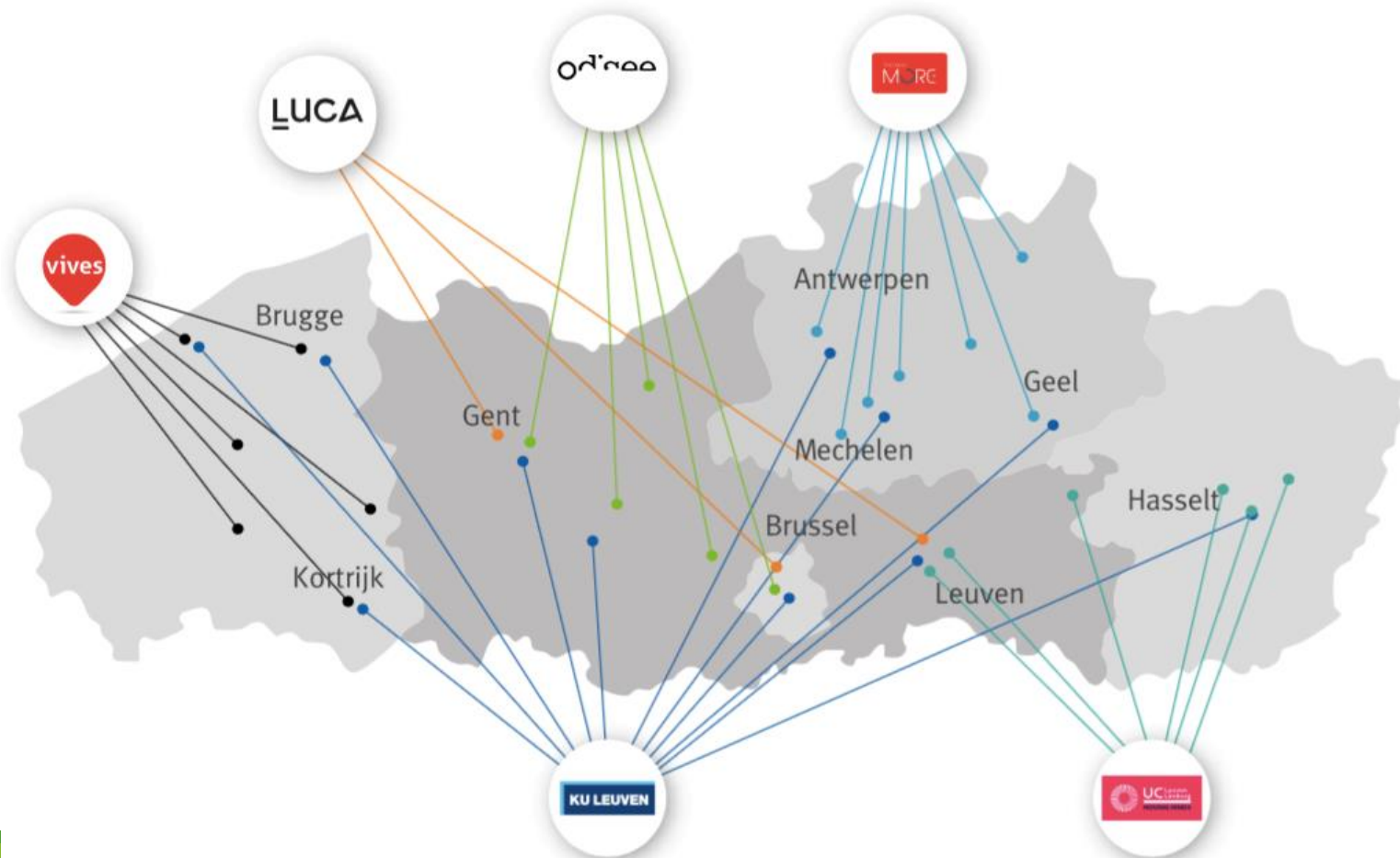
Kortrijk, Bruges, Torhout

16.000 students
1.300 Staff members
190 Researchers

West Flanders



Vives University College (professional bachelor education) Associated with KU Leuven



Expertise centre Innovation in Education



Practice based research
Through co creation and cooperation with
Elementary and Secondary schools



5 CLUSTERS

DIGITAL
learning

Strong in
STEM

Strong in
LANGUAGE

Learning in
DIVERSITY

CULTURE
@ school

With impact on 3 levels:

Innovation of the
professional field through
training, publications,
conferences

Innovation of the
teacher training
curriculum

Working on the
competence of
teacher as researcher
and innovator

Funding:

- Government
- Province / State
- European (Erasmus)
- Research funding through our Association



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Cluster: “STRONG IN STEM”

Focus on STEM in pre primary and primary education:



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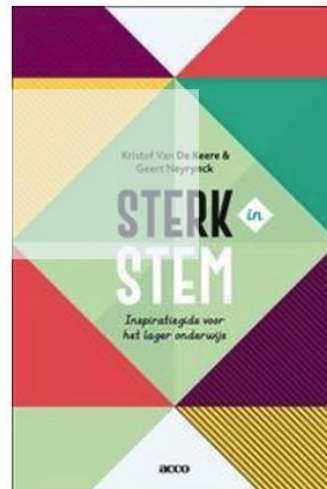
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Some examples of publications:



Author: [Kristof Van de Keere](#) [Stephanie Vervae](#)
Publisher: [Lannocampus](#)
Dutch
ISBN: 9789401412766
126 pages



Author: [Kristof Van de Keere](#) [Geert Neyrynck](#)
Publisher: [Acco Uitgeverij](#)
Dutch
ISBN: 9789463798624
124 pages



Author: [Stephanie Vervae](#)
Publisher: [Acco Uitgeverij](#)
Dutch
ISBN: 9789463798631
204 pages

Overview STEM projects: www.sterkinstem.be



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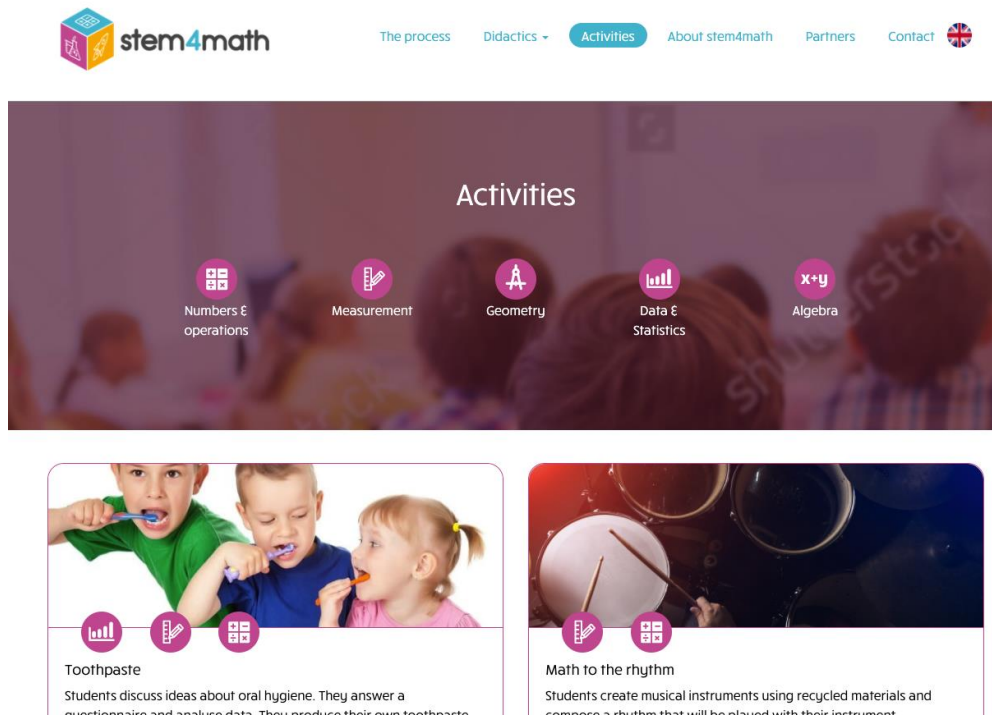


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some examples of recent European projects with focus on elementary education



Erasmus KA2 – STEM4MATH – www.stem4math.eu (2016-2019)



Outcomes:

Didactical framework STEM4MATH

Activities

- 10 activities 6-8 y.
- 10 activities 9-12 y.

Joint Staff trainings & national training

Research publication: [click here](#)



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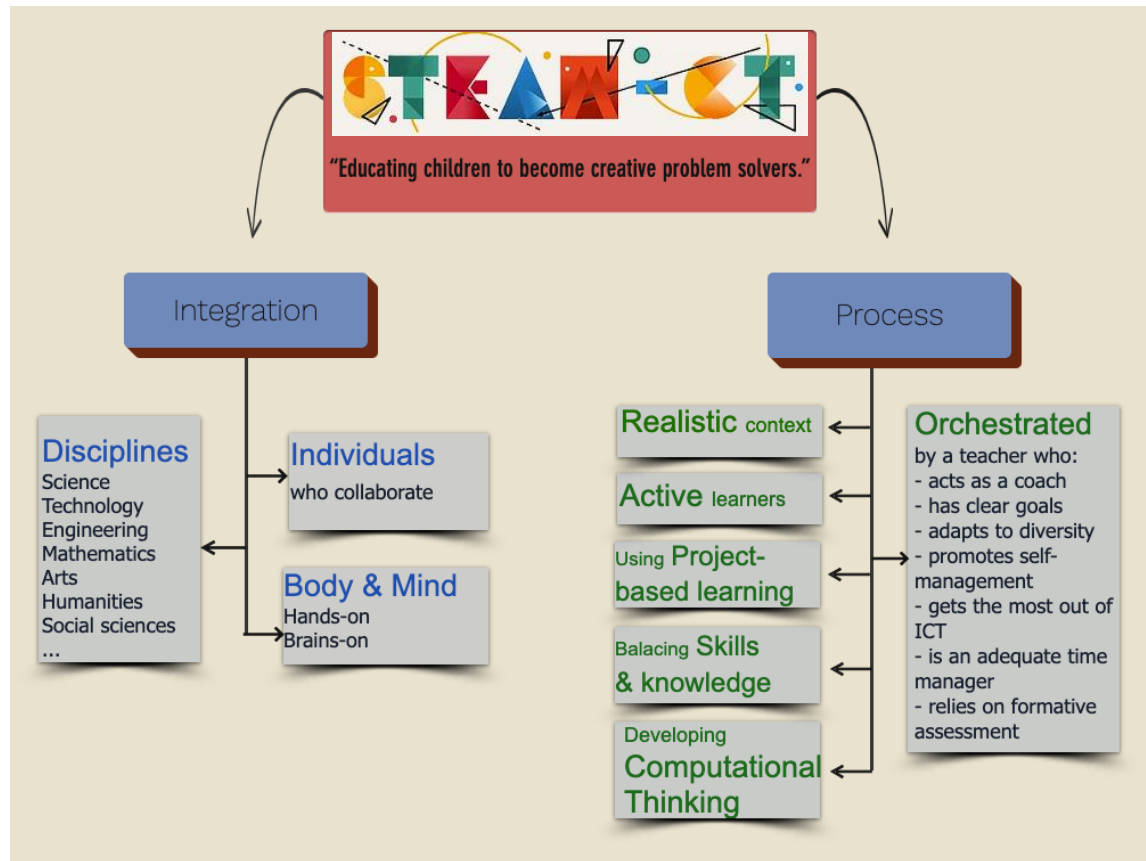


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some examples of recent European projects with focus on elementary education



Erasmus KA2 – STEAMCT - www.steam-ct.org (2019-2023)



Outcomes:

Didactical framework STEAM CT

Activities

- 20 activities on Computational Thinking in the age group 3-14 y old

Joint Staff trainings & national training



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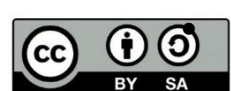


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Other projects:

- **PROGRAM (Erasmus KA2, 2019-2022):** Purposeful Recruitment Of Gamers, Rascals and Makers. Using authentic STEM contexts for motivation of NEETs (students who are missing motivation and risk to leave school)
- **STEM in Action (Erasmus KA2, 2020-2023):** Development of STEAM education: improvement of existing STEAM approaches
- **STEMcomputer:** Computational Thinking in (pre)primary school settings
- **Elementary STEM:** Learning communities with stakeholders in STEM education in Flanders
- **STEAMStories:** Stories as an authentic context for STEAM education
- **Language diversity and STEM education**
- **Design@school:** Using Human Centered Design methods within STEM education
- **INSTEM:** STEM and Sustainable development
- **School@country:** About STEM and outdoor education
- **STEM@factory:** The factory as an authentic context for STEM education



CONTACT

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