

Innovative STEM Education

The Pedagogical Model

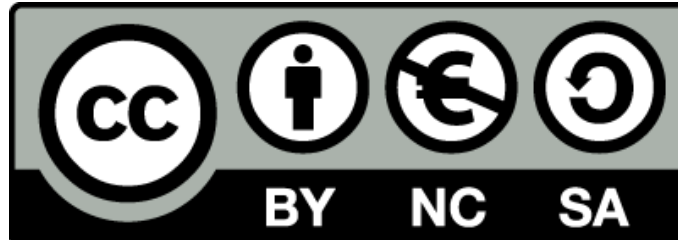
Learn STEM



by Christian M. Stracke
Open University of the Netherlands
@ Learn STEM Online Course 2020
Live event: 2020-03-31

Open Universiteit
www.ou.nl





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Welcome to our

Learn
STEM

Online Course!

What is *Learn* **STEM** ?

**STEM = Science,
Technology, Engineering,
& Mathematics (= MINT)**

We are

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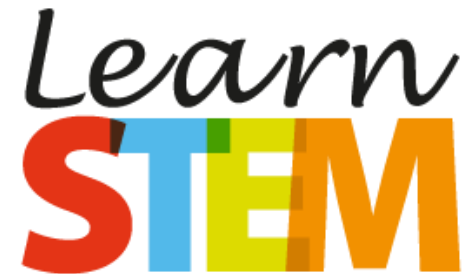
We are *Learn* **STEM**



Learn STEM network



EEKHOUT
- ACADEMY -



www.Learn-STEM.org

Open School Education

www.Learn-STEM.org



Learn STEM for you

Results from Mixed Methods research:


- Pedagogical Model
- Teacher Training Programme
- Open Online Course (March 2020)



Free to use & to adapt!

www.Learn-STEM.org

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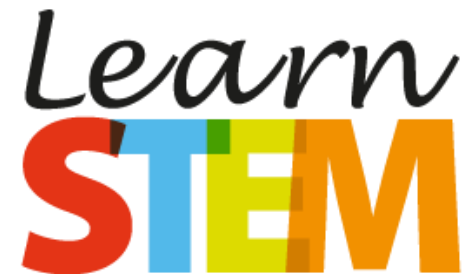
Learn STEM Online Course

Started: 26th of March 2020


4 weeks plus intro (started 12th of March 2020)

www.competencedevelopment.eu

www.Learn-STEM.org



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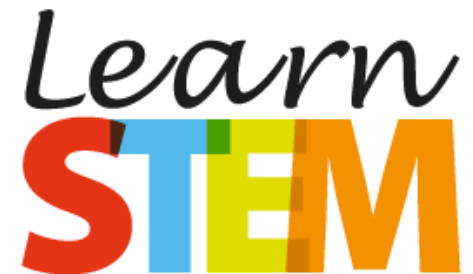
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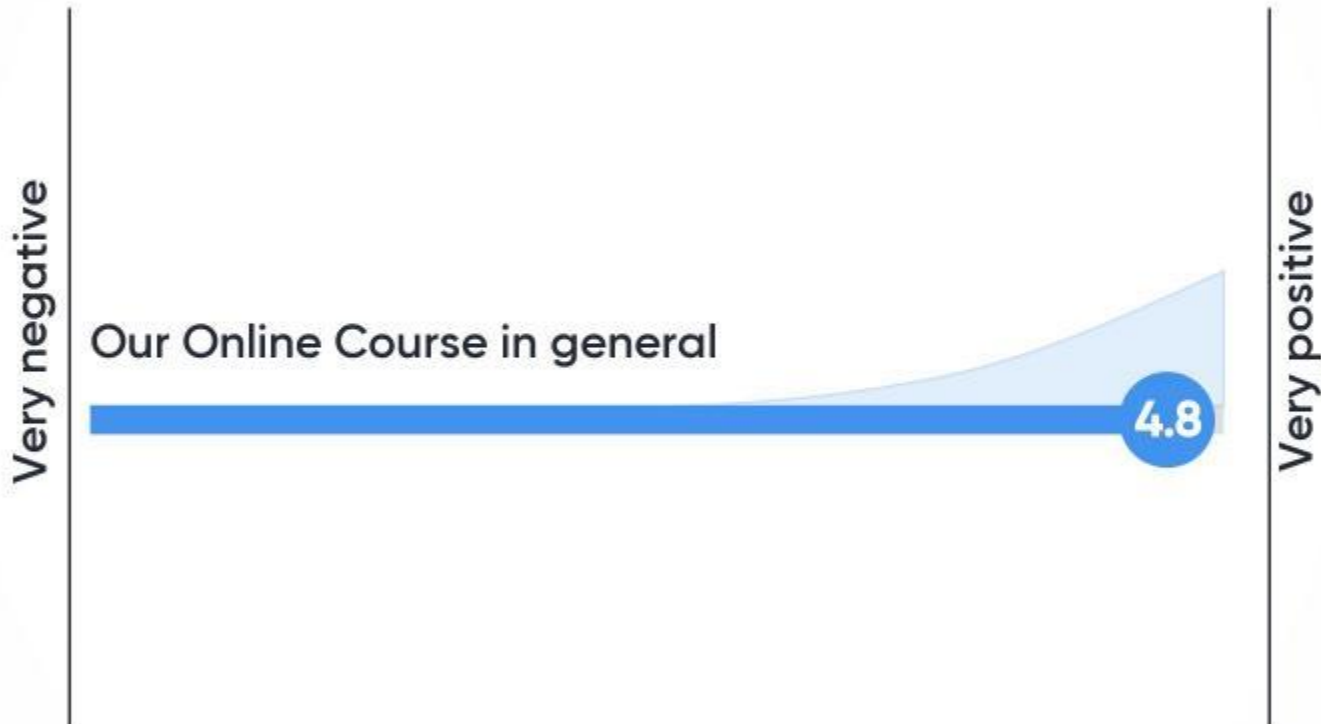
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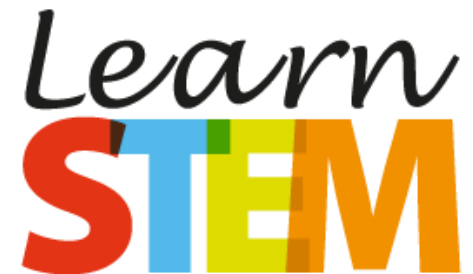


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What do you THINK about our Learn STEM Online Course?

Please add your comments, opinions, questions, etc. online to:
https://padlet.com/christian_stracke/LearnSTEM2020_Week_1

or use:



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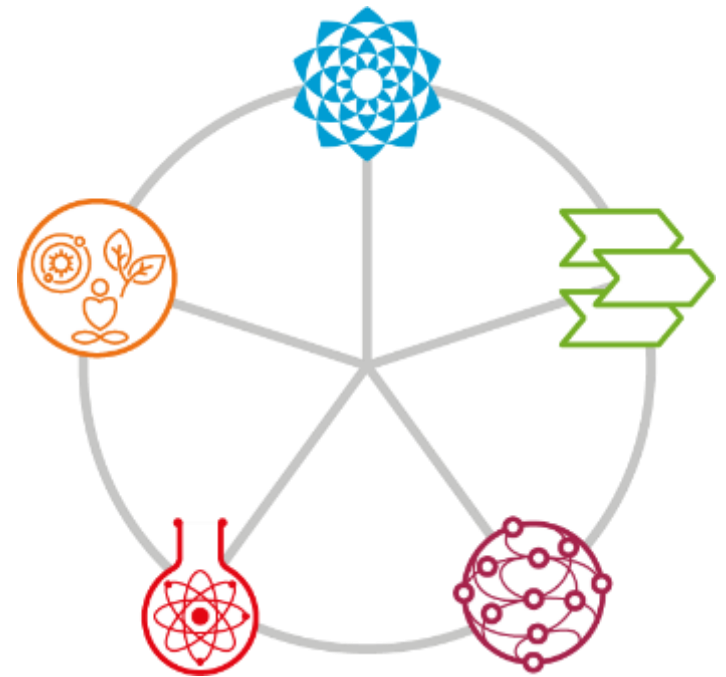
COMPLEX

PROCESS-ORIENTED

HOLISTIC

PRACTICAL

SOCIAL



Free & open download:

www.Learn-STEM.org/Model



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The Checklist

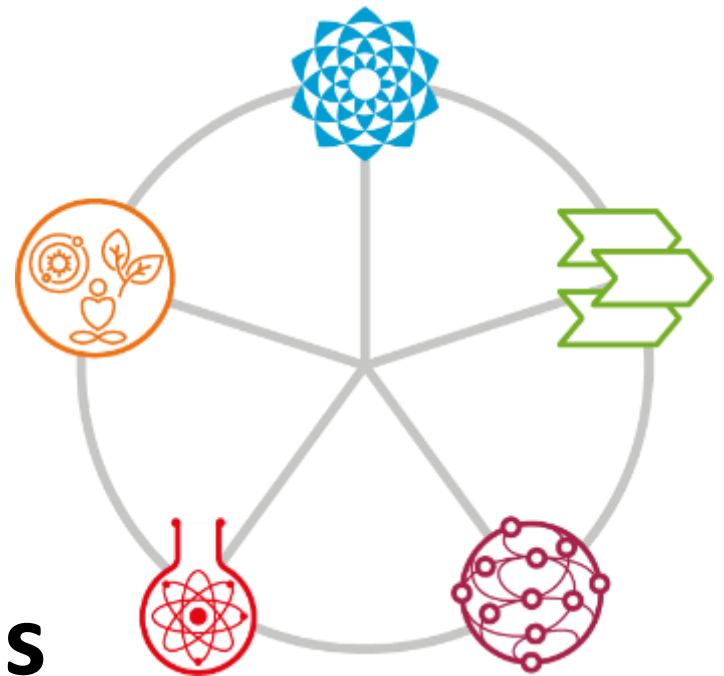
The Case template

The Annex 1:


Good practice examples

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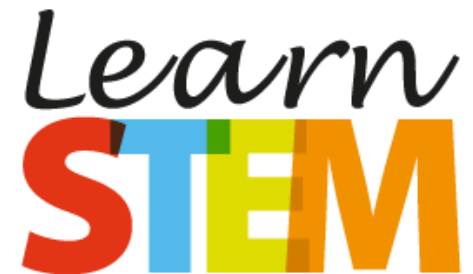
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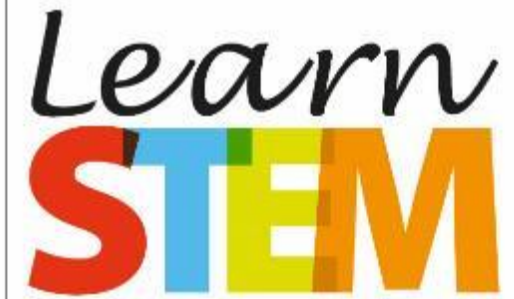


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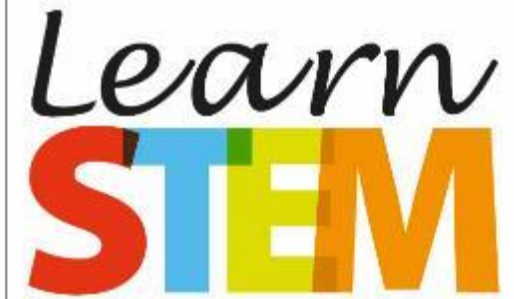
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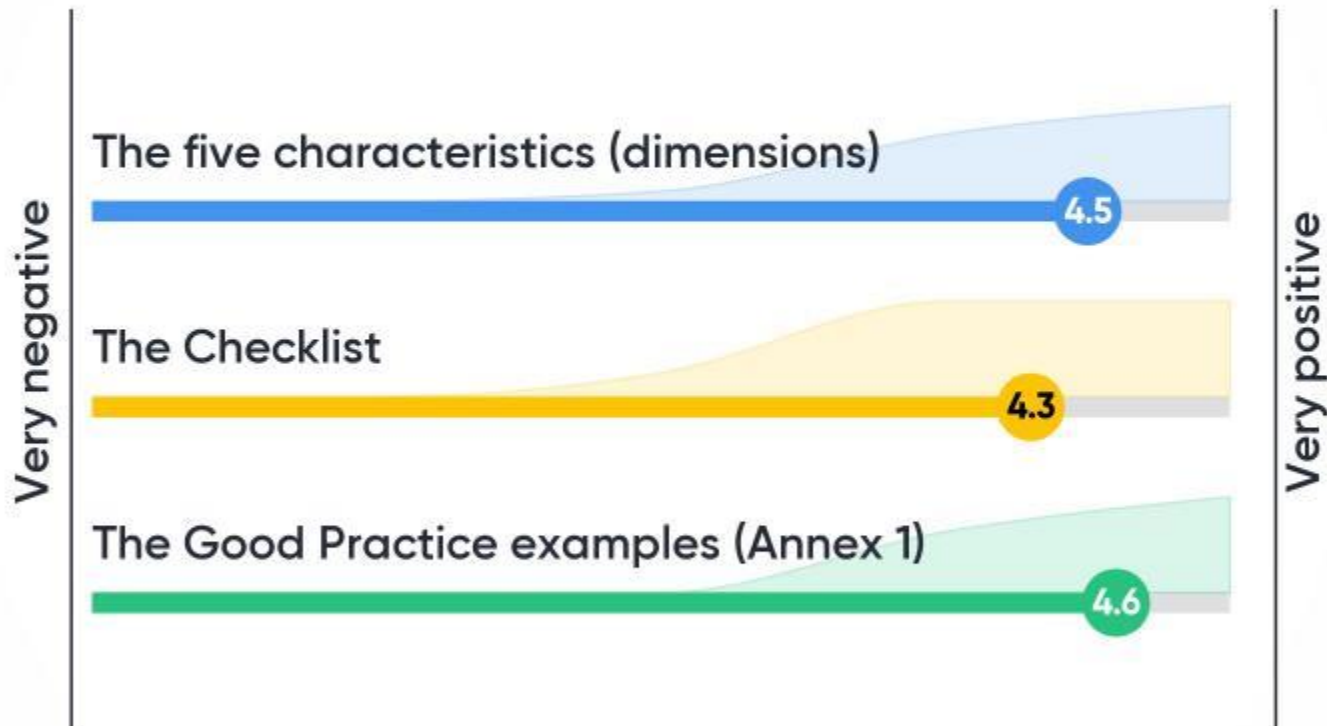
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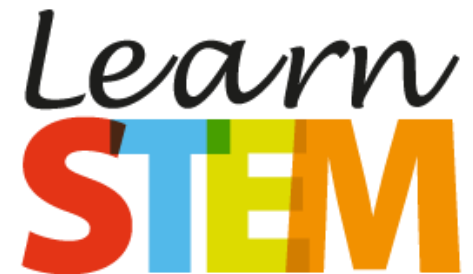
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https://padlet.com/christian_stracke/LearnSTEM2020_Ped_Model

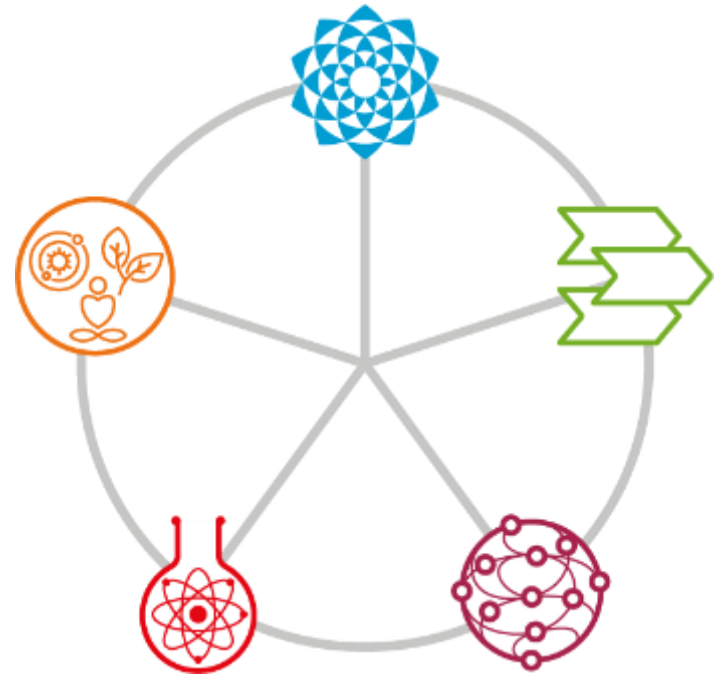
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Your STEM education

**Have you uploaded
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practice examples
and cases?**



Free & open up- & download:

<https://surfdrive.surf.nl/files/index.php/s/SPbXJljstB1sRpN>

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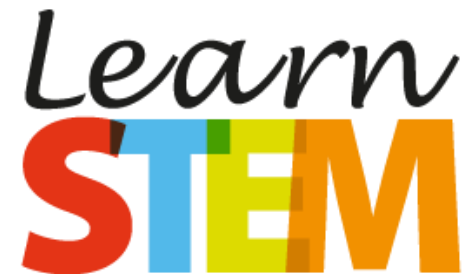
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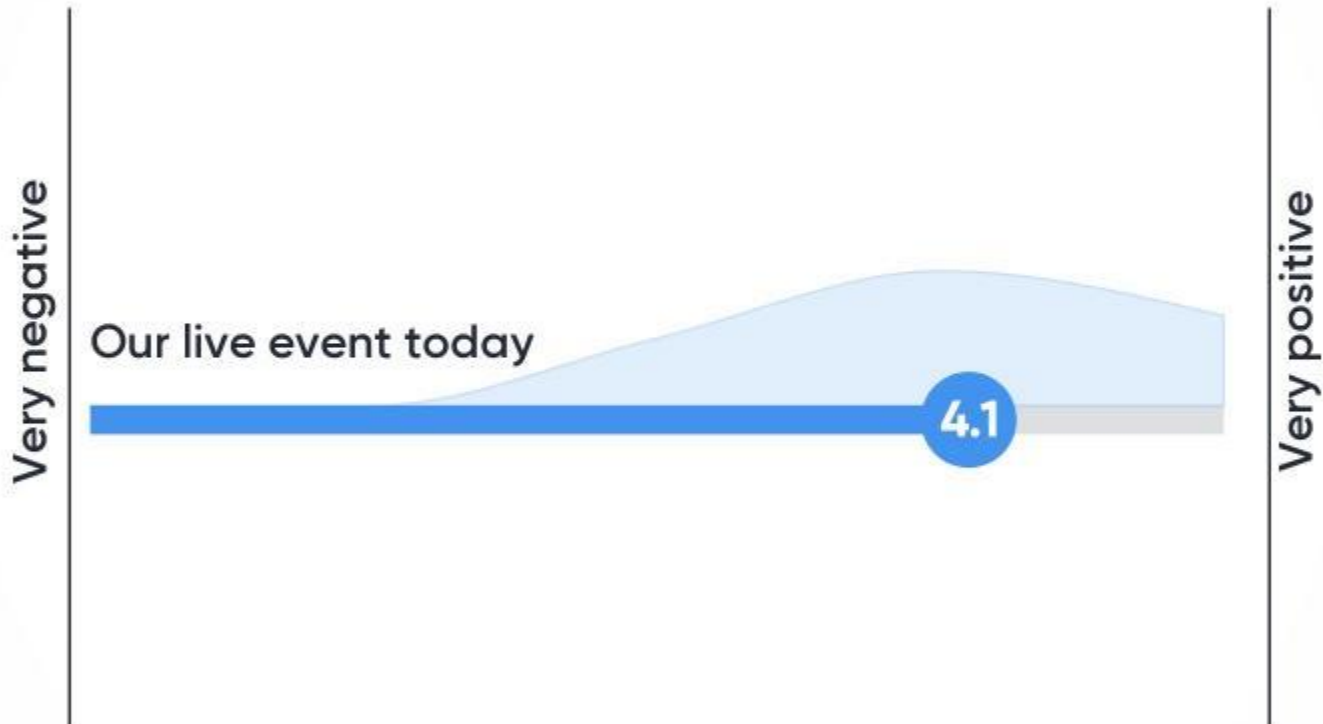
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Learn STEM References

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All also online available at: <http://www.opening-up.education>

Let us cooperate!



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**Advisory Professor for E-Learning
East China Normal University**



**Founder & Director of eLC, the European
Institute for Learning, Innovation & Cooperation**





My experiences

**> 20 years E-Learning
in business & academia**



**Research Institute leadership
and strategic development**



**> 20 years design, realization, evaluation &
optimization of study programs and courses**



**100+ International Projects: with > € 50 Mio.
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Let us collaborate!



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