

STEM in Action

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 30.12.2022 (24 months)



1st STEM in Action Conference via ZOOM

The STEM in Action Kick-off Conference, 09th of June 2021

Project number: 2020-1-TR01-KA203-094309

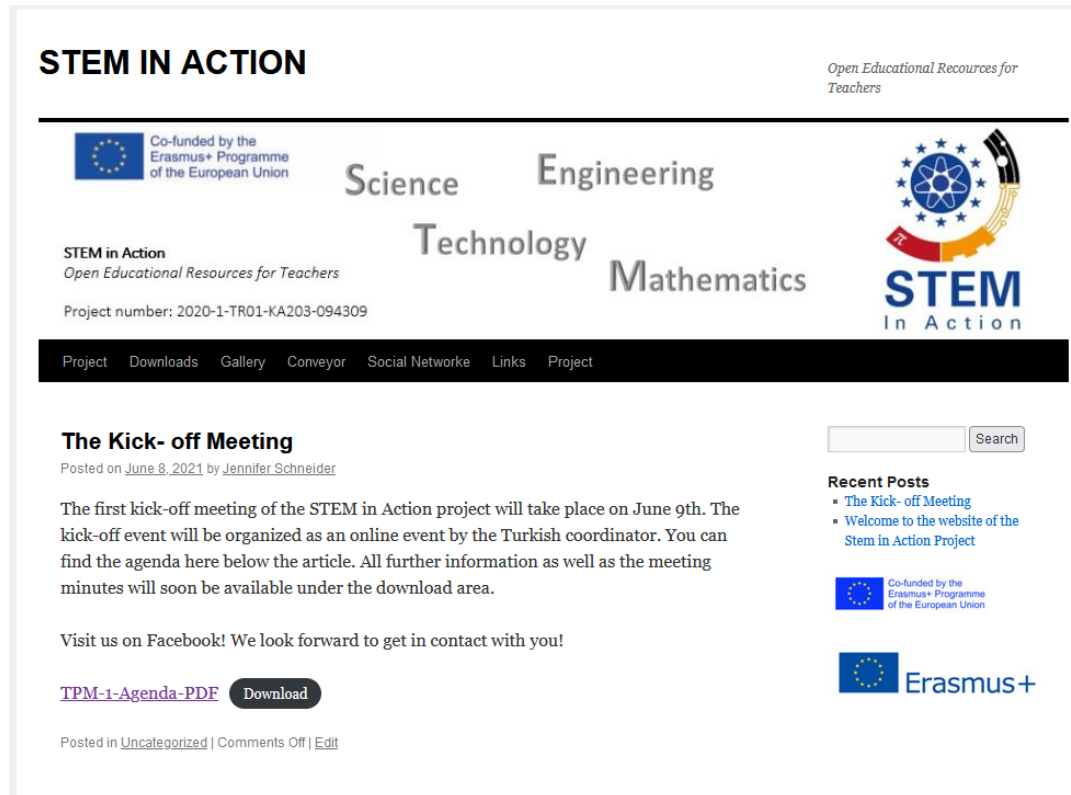
Dissemination activities of the University Paderborn, Germany



Websites



<https://wiwi.uni-paderborn.de/departments5/wirtschaftspaedagogik-prof-beutner/forschung/aktuelle-drittmittelprojekte/stem-in-action>



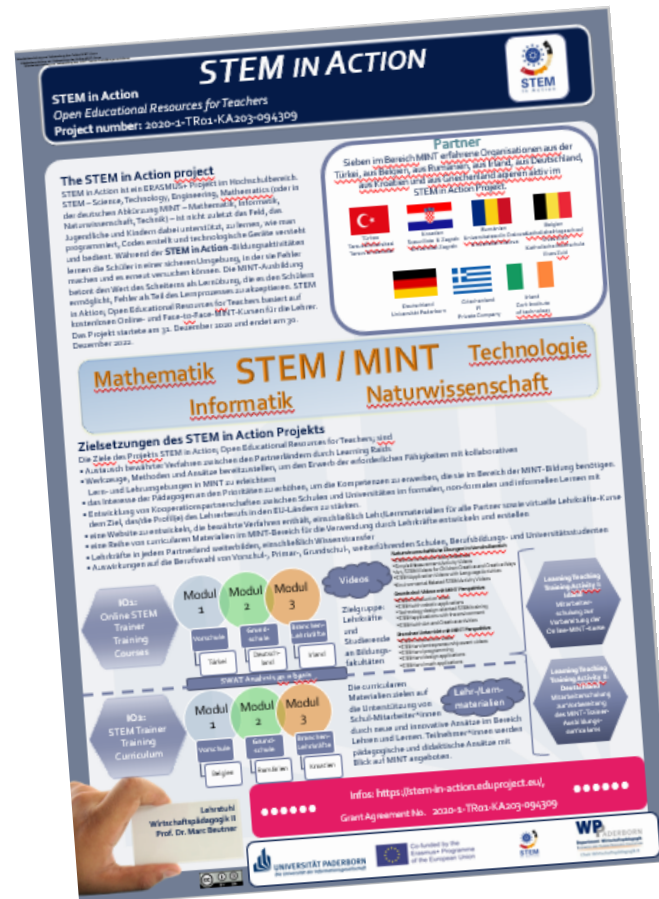
<https://stem-in-action.eduproject.eu/>



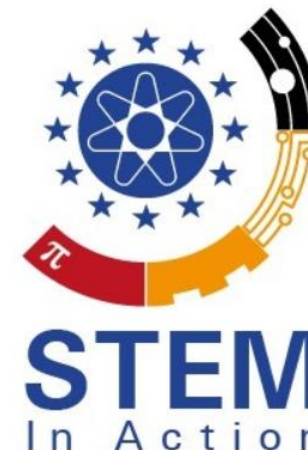
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Poster in German and English



Flyer in German and English



STEM in Action
Open Educational Resources for Teachers
Project number: 2020-1-TR01-KA203-094309



The ERASMUS + project STEM in Action is based in the field of higher education and aims to help children how to program, make codes, and understand technological devices. During STEM education – Science, Technology, Engineering, and Mathematics activities, students learn in a safe environment that allows them to fall and try again. STEM education stresses the value of failure as a learning exercise, which will enable students to embrace mistakes as part of the learning process.

STEM in Action; Open Educational Resources for Teachers is based on Online and Face-to-Face STEM courses to the teachers free of charge.

Project duration: December 31st, 2020 to December 30th, 2022.

Curriculum
Fun
Technology
STEM in Action
Trainer Trainings Courses
Digitalisation
OER
Competences
Mathematic
Learner
STEM



Further
information
can be found
on the
following
websites



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STEM in Action
Open Educational Resources for Teachers
Project number: 2020-1-TR01-KA203-094309



Das im Hochschulforschungsbereich angesiedelte ERASMUS+ Projekt STEM in Action: STEM – Science, Technology, Engineering, Mathematics (oder in der deutschen Abkürzung MINT – Mathematik, Informatik, Naturwissenschaft, Technik) hat sich zur Aufgabe gemacht, Jugendliche und Kindern dabei zu unterstützen das Programmieren zu erlernen. Codes zu erstellen und technologische Geräte zu verstehen und zu bedienen. Während der Bildungsaktivitäten lernen die Schüler*innen einen sicheren Umgang mit der Thematik und das Potenzial aus Fehlern zu lernen. Die MINT-Ausbildung betont den Wert des Scheiterns als Lernübung, die es den Schülern ermöglicht, Fehler als Teil des Lernprozesses zu akzeptieren. Dabei basiert das Projekt STEM in Action; Open Educational Resources for Teachers, auf kostenlosen Online- und Face-to-Face-MINT-Kursen für Lehrkräfte.

Projektdauerzeit: 31. Dezember 2020 bis 30. Dezember 2022.

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Integration in the lecture/module: media didactics at UPB



STEM in Action was presented in the university study module 'media didactics' of Prof. Dr. Marc Beutner

The students discussed the need for STEM competences in education and economy and got in insight in ERASMUS+ and the work and the addressed results of STEM in Action.



Publications – Abstracts accepted - Writing process started



Presentation of STEM in Action in the journal
KWP – Kölner Zeitschrift für Wirtschaftspädagogik.

Draft title in English (original in German language):

Beutner, M. (2021):
STEM and hybrid learning -
Insights into the STEM in Action project.
In: KWP 70/2021, Cologne

Presentation of STEM in Action in a scientific book.

Title :
Beutner, M. (2021):
STEM in Action - Creating modules to foster STEM
in schools and higher education. In: Digitisation,
Green Businesses, Mobilities and Knowledge
Aquisition in European Education. Hybrid Education
– E-Learning and digital approaches – Sustainability.
Cologne 2021.

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<http://https://stem-in-action.eduproject.eu/>

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