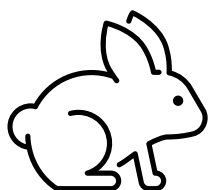
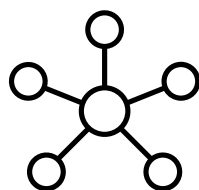
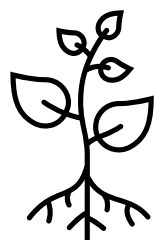
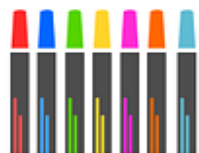


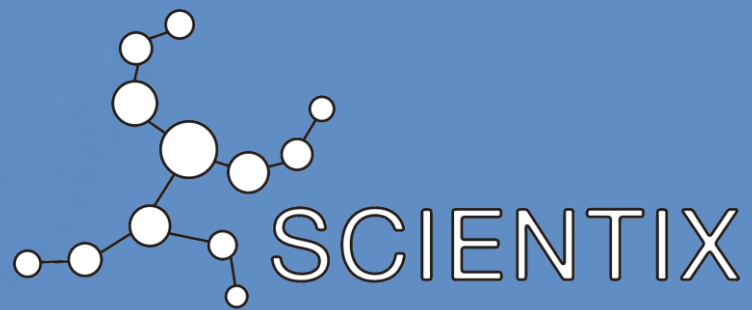
some / more



all



And many more!



European Schoolnet: Detailed outline on STEM as a topic, the benefits, practical implementation



- BLOOM
- NBS
- Aerospace
- STE(A)M IT
- Scientix

The work presented in this document is supported by the European Commission's H2020 programme – project Scientix 4 (Grant agreement N. 101000063), coordinated by European Schoolnet (EUN). The content of this document is the sole responsibility of the organizer and it does not represent the opinion of European Schoolnet or the European Commission (EC), and the EC is not responsible for any use that might be made of information contained herein.



Dr Agueda Gras
Head of the Science Education Department
European Schoolnet aguada.gras@eun.org



Opera. Sella

Planchi. Jofal

Teulada

Libro e Corici

HISTORI

MZCII

SETOS TOM I

Planchi

TASSO

LE ANTIQUE
LE NOUVEAU

Comer in Jofal

Planchi

SILVA PRO ANX
160 A. 1610

Hofm a. n. s.

Comer in Jofal



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LEARNING SCENARIO

WHAT?

Plan of in-class educational activities connected to a specific topic

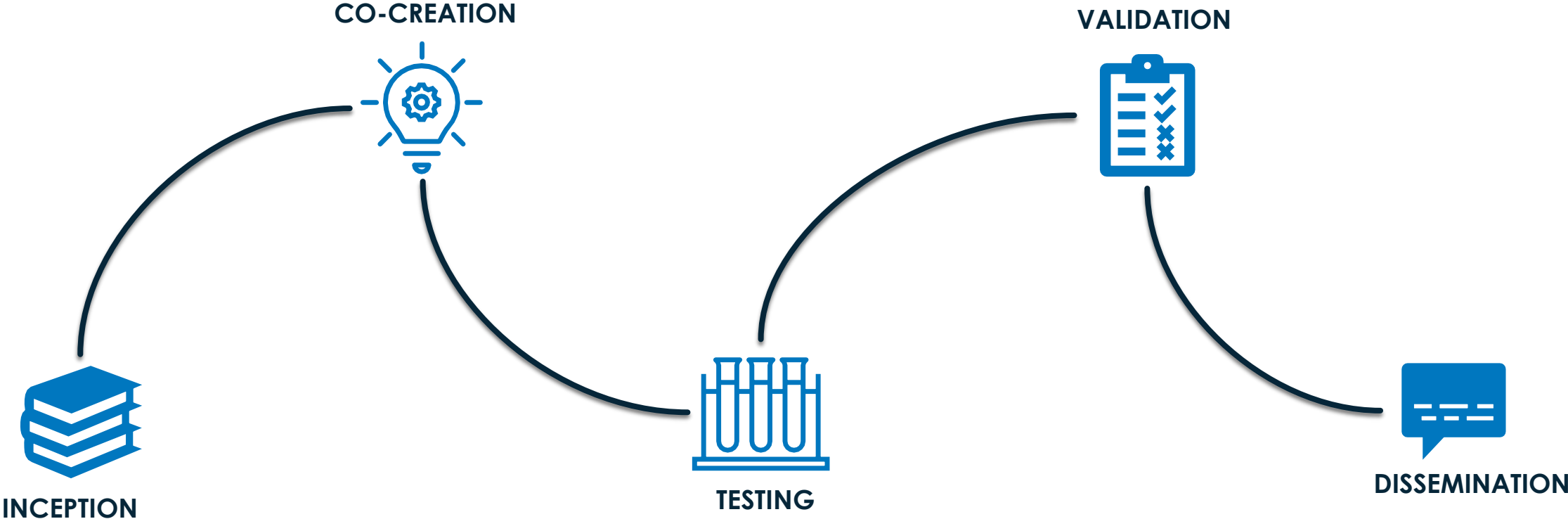
HOW?

- Established objectives
- Innovative pedagogical techniques and methodologies

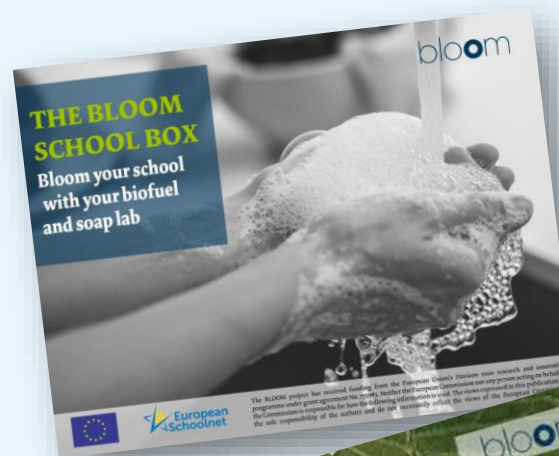
It includes:

- Title
- Abstract
- Licenses
- Curriculum integration
- Aim of the lesson
- Outcome of the lesson
- Relevant educational trends
- 21st-century skills
- Activities
- Assessment

PILOT PROJECT



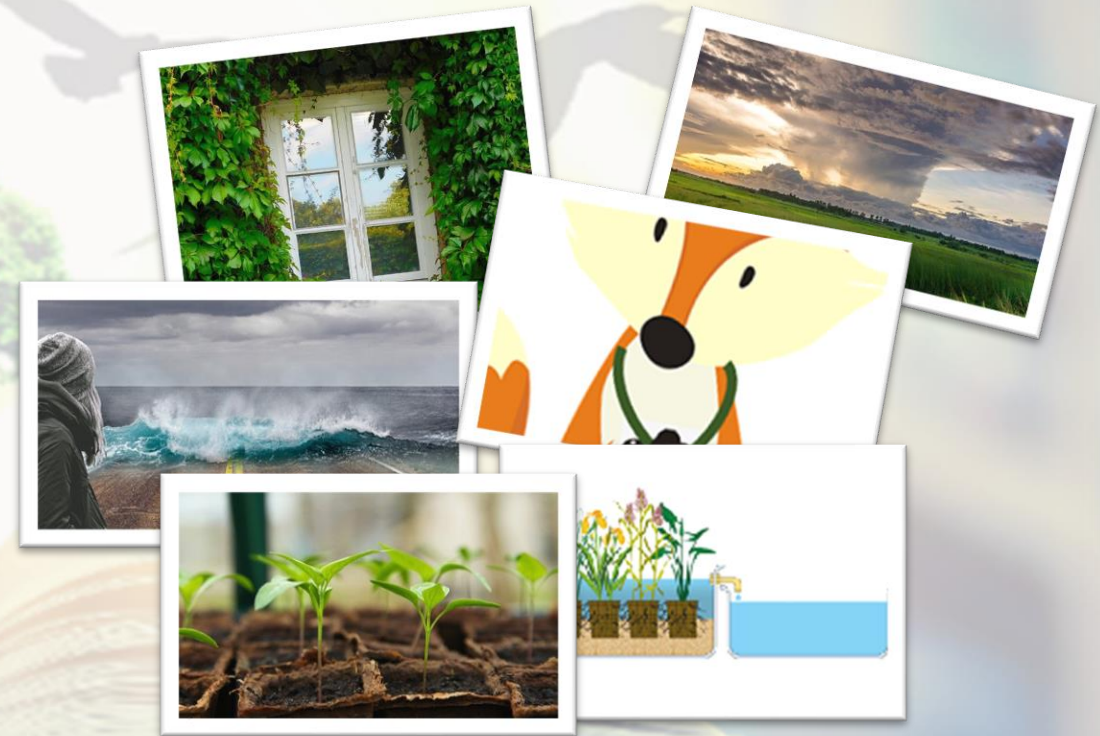
Integrating Bioeconomy in primary / secondary education



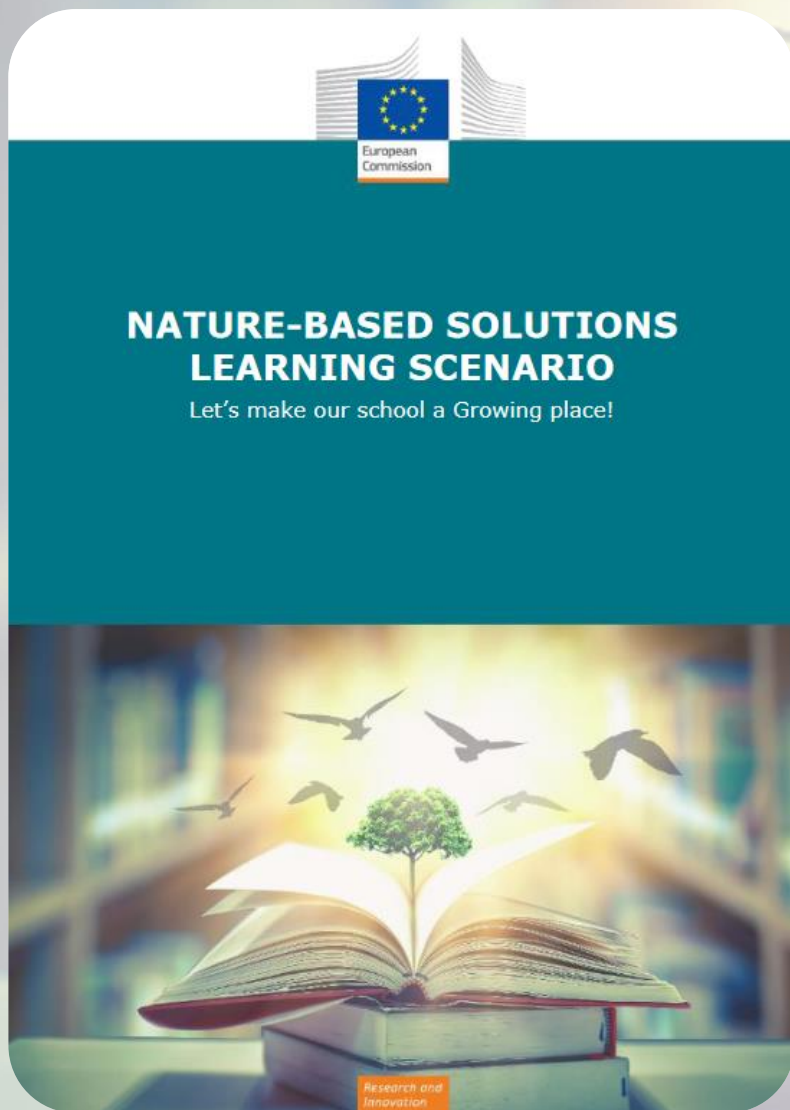
Nature-Based Solutions Learning Scenarios

Interdisciplinary, addressing topics of:

- **Understanding NBS**
- **Climate mitigation and adaptation**
- **Disaster risk reduction**
- **Green space and urban regeneration**
- **Public Health, Well-Being and Air quality**
- **Water management**
- **Participatory Planning and Governance**
- **Social justice and Social Cohesion**
- **Economic Opportunities and Green Jobs**



The NBS Learning Scenarios



- 15 Learning Scenarios ready
- English (translations into Italian, Spanish, Portuguese, French, Slovak, Polish, Lithuanian, Greek, Swedish, German, Romanian and Dutch coming in December)

Modular

Adaptable

Expandable

Interdisciplinary

Collaborative

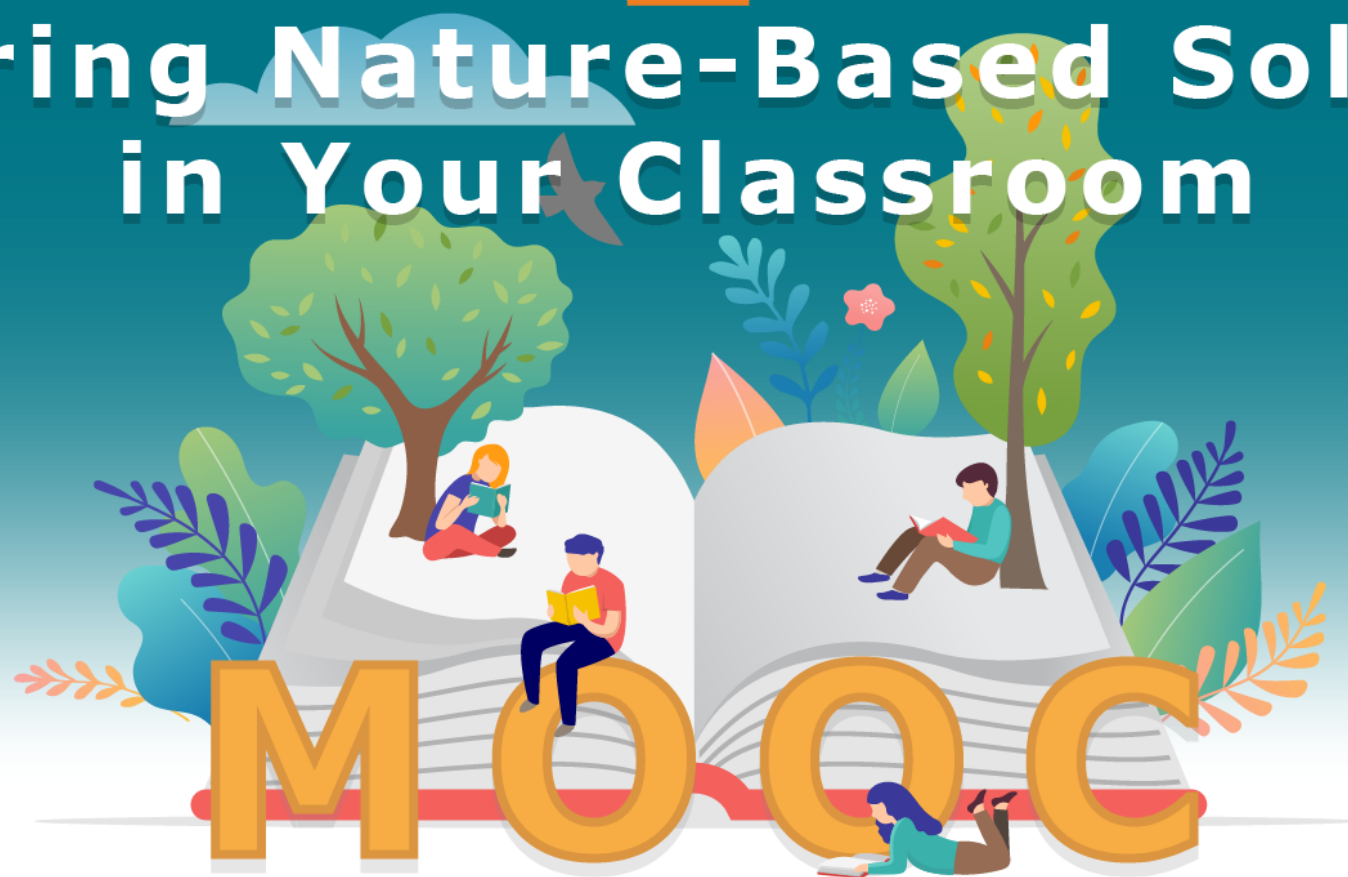
Connected to
real life

<http://www.scientix.eu/pilots/nbs-project>

Research and
Innovation



Exploring Nature-Based Solutions in Your Classroom



© AdobeStock_229326336



This NBS MOOC, coordinated by European Schoolnet (EUN), is part of the NBS pilots initiated and funded by the European Commission Directorate-General for Research and Innovation. The MOOC is based on the EC-funded Learning Scenarios developed by EUN (www.eun.org) with the support of PPMI (www.ppmi.lt/en), and organised with the support of VO EUROPE (www.vo-group.be/en). The MOOC is also supported by Scientix, funded from the European Union's H2020 research and innovation programme – project Scientix 4 (Grant Agreement N. 101000063). The content is the sole responsibility of the organiser and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained.

Research and
Innovation

<https://www.europeanschoolnetacademy.eu/courses/course-v1:Scientix+NBS+2021/about>

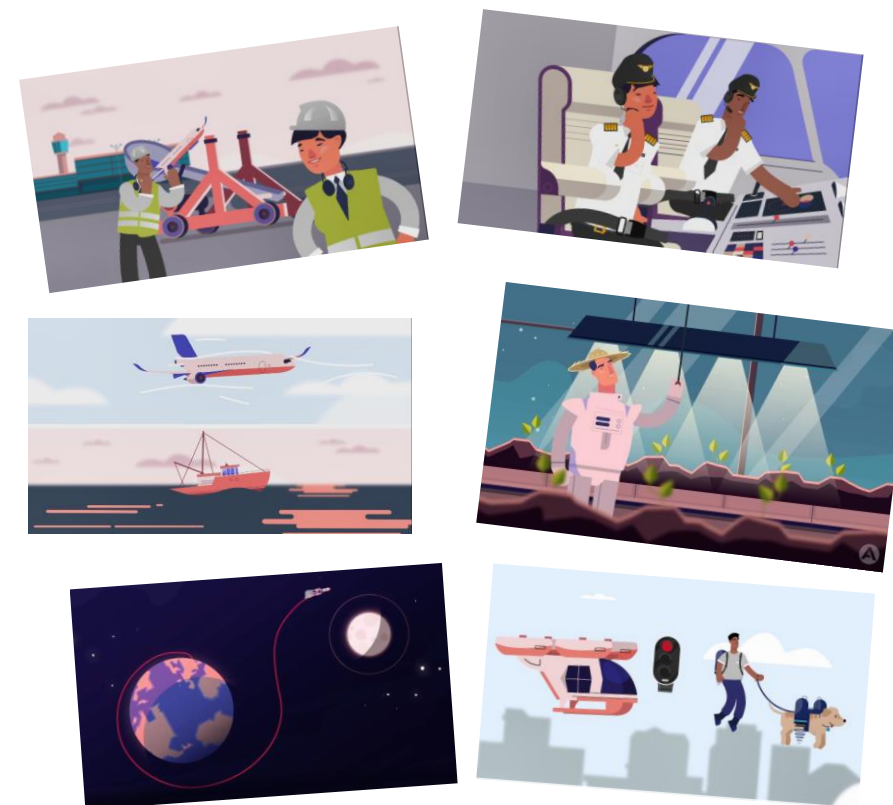
Starts 11 Jan 2020

AIRBUS FOUNDATION DISCOVERY SPACE

- 3 Series



- 11 Chapters



Check out the AFDS [here](https://www.airbus.com/company/sustainability/airbus-foundation/discovery-space.html)

<https://www.airbus.com/company/sustainability/airbus-foundation/discovery-space.html>

Zeit Time Heures Hora	Mittags Essen Lunch Lunch	Sport Sports Sports	Sport Sports Sports	Chemie Chemistry Chemistry	Mathe Math Math
7 <u>45</u>	Deutsch	BK	Sport	Chemie	Mathe
8 <u>35</u>	Deutsch	BK	Englisch	Deutsch	Mathe
9 <u>35</u>	Mathe	Mathe	Mathe	Deutsch	Mathe
10 <u>25</u>	Mathe	Physik	Mathe	Geo	Mathe
			Bio		

www.40001193.65.0

Zeit Time Heures Hora	Mittwoch Wednesday Lunes	Donnerstag Thursday Jeudi	Freitag Friday Vendredi	Samstag Saturday Samedi	Sonntag Sunday Dimanche
7 <u>45</u>	Deutsch	BK	Sport	Englisch	Mathe
8 <u>35</u>	Deutsch	BK	Englisch	Deutsch	Mathe
9 <u>35</u>	Mathe	Mathe	Mathe	Deutsch	Mathe
10 <u>25</u>	Mathe	Physik	Mathe	Bio	Mathe





STEAMIT
AN INTERDISCIPLINARY STEM APPROACH

STE(A)M IT
THE FIRST
EUROPEAN
INTEGRATED
STEM
FRAMEWORK

#STEAMIT_project



The work presented in this document has received funding from the European Union's ERASMUS+ programme project STE(A)M IT (Grant agreement 612845-EPP-1-2019-1- BE-EPPKA3-PI-FORWARD), coordinated by European Schoolnet (EUN). The content of the document is the sole responsibility of the organizer and it does not represent the opinion of the European Union or the Education, Audiovisual and Culture Executive Agency, which are not responsible for any use that might be made of the information contained.

THIS FIRST EUROPEAN INTEGRATED STEM FRAMEWORK OF REFERENCE



A **Master Learning Scenario** guiding teachers how to teach in an integrated way.



7 **Example Learning Scenarios** for Secondary education (12 – 16 years old) and 4 for Primary education (6 to 11 years old) with real case scenarios, based on the Master Learning Scenario.



A **Capacity Building Programme** for Secondary and Primary School teachers on teaching in an integrated way.



A **network of teachers** to exchange on integrated STE(A)M teaching.



A **report** on the development and use of this teaching methodology in real case scenarios, including tips and guidelines for integration at Ministries of Education level as well as by schools.



STEM School Label

cell EXPLORERS

Photonics explorer
Fibonacci project

hulda festi
kidsINN science

Chain Reaction
eEngineer

IncluSMe
Intercultural learning in Science and Mathematics initial teacher education

eCraft2Learn

COMPASS
FEAST

Primas
PROMOTING INQUIRY IN MATHEMATICS AND SCIENCE EDUCATION ACROSS EUROPE

U4 Energy
PARISE

NANO Channels
inGenious
STEM FOR YOUTH
ENJOY. SCIENCE. TECHNOLOGY. ENGINEERING. MATHEMATICS.

GO-LAB
ONLINE LEARNING BY EXPERIMENTING
ATELIER FOR STE@M

opensKIMR
Open Schools for Open Societies

scienceArt@Umbria

spice
nano TOUCH

NANO dialogue

PATHWAY
mascil
FaSMEd

STEM@SCHOOL
Score
Integrated Teaching Project
Bütünleşik Öğretmenlik Projesi

STEM PD Net
European STEM Professional Development Centre Network

PROFILES

ASTRONET
www.astronet.ro

Make the Link
Temi

KiICS
NANO YOU

Nanoinventum
Creando el nanofuturo desde primaria

BOOSTING SCIENCE
DIS-CODE

pollen

Se secure
SCIENCE EDUCATION CURRICULUM RESEARCH

ngage
ws OPEN DISCOVERY SPACE

UniSchoolLabs
INQUIRE M & L
Maths & Languages

STEM FOR ALL
SCI
ED

CREATIONS
Developing an Engaging Science Classroom

Science Center To Go

SAILS
Strategies for Assessment of Industry Learning in Science

DESIRE
ASSISTME

natural europe

GLOBAL excursion
Extended Curriculum for Science Infrastructure Online

Hypatia PROJECT
FIT4 FOOD 2030
SUSTAINABILITY

S-TEAM
FIRING UP SCIENCE EDUCATION

Otevřená věda
Otevíráme přímou cestu ze škol k vědě

e-Bug

MY SCIENCE
Establish
European Science and Technology in Action: Building Links with Industry, Schools and Home

VIDU BIOLOGY

LINKS
Learning from Innovation and Networking in STEM

quantum spinoff
calibrate
Learning Resources for schools

S-TEAM
FIRING UP SCIENCE EDUCATION

edu science
DynaLearn

creative little SCIENTISTS
Xplore Health

Items
KEPLER ISS
SERVA
Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe

SCHOOLS TUNE INTO MARS
eris

traces

EU-HOU
Inspire
SEEP

NanoEIS
kelo
ASTROEDU
Advanced Mathematics Education Initiative

pri-sci-net
inquire investigate evaluate connect
SCIEOM
SCIENCE EDUCATION CURRICULUM RESEARCH

HELENA
Higher Education Leading to Engineering And scientific careers

EU HORIZON 2020 Project
newton
Networked labs for training in sciences and technologies

melt
LEARNING RESOURCES FOR SCHOOLS

APECT
the discover COSMOS

Climate guide.fi

ASTROEDU
Make the Link
e
STENCIL
SCIENCE TEACHING EUROPEAN NETWORK FOR CREATIVITY AND INNOVATION IN LEARNING

BioCannDo
Bioeconomy Awareness and Discourse Project
GREEN SCHOOLS 2.0 FOR A SUSTAINABLE FUTURE
Erasmus+

Scientix

the community for
science education
in Europe



SCIENTIX

The community for science
education in Europe



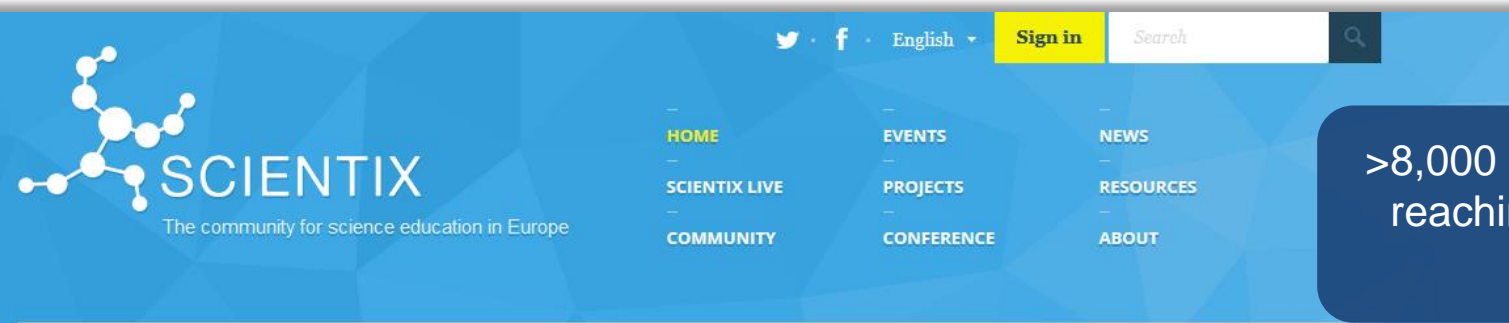
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Information

- Projects on STEM education
- Resources
- Scientix observatory papers
- Newsletters
- Blog entries
- Translation of resources(*)



<http://www.scientix.eu>



>8,000 monthly unique visitors reaching +100,000 students every month

ENROL FOR THE STEM MOOCs PACKAGE

26 October 2020
'Integrated STEM Teaching' MOOCs for primary and secondary school teachers
Join the first STEM MOOCs package of European Schoolnet Academy!
[Read more](#)

7 September 2020
'STEM is Everywhere! Return' MOOC

SOMR available to any teacher, Ministry of Education, STEM expert during the current COVID-19 lock-down period:

[READ THE INSTRUCTIONS!](#)

In your country
Observatory
Scientix Moodle



Training: online and face to face



- Workshops for teachers (both in FCL in Brussels and other events)



- Online courses on the EUN Academy



- Webinars



Cooperation



Science Topics
Networking
Seminars



Conferences



Ministries of
Education STEM
representatives
Working Group
(and National
Contact Points)



Scientix
Ambassadors
“Old” and “new”



STE(A)M
Partnerships



2021 STEM DISCOVERY CAMPAIGN

SUSTAINABILITY & CITIZENSHIP

1 Feb 2021 – 30 Apr 2021

<http://www.scientix.eu/events/campaigns>



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Credits

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