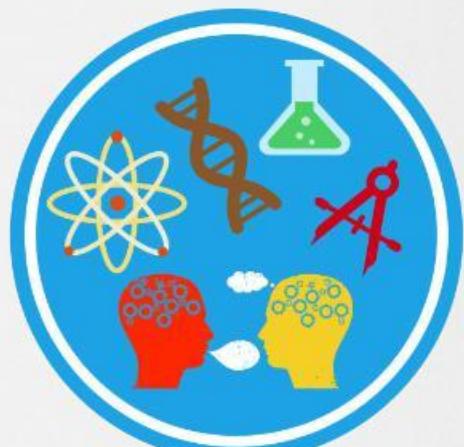


Hitting Two Targets (Language and Science) with One Shot – the CLIL4STEAM Project



What is CLIL?

CLIL4STEAM Project
overview

CLIL4STEAM Project
results and benefits

CLIL4STEAM in
action

EuroEd Foundation
www.euroed.ro



What is CLIL?

*Content and Language
Integrated Learning*

*CLIL Principles:
the 4 C-s*



Content and Language Integrated Learning

"Content and language integrated learning (CLIL) refers to any dual-focused educational context in which an additional language is used as a medium in the teaching and learning of non-language content" - David Marsh

Content

Communication

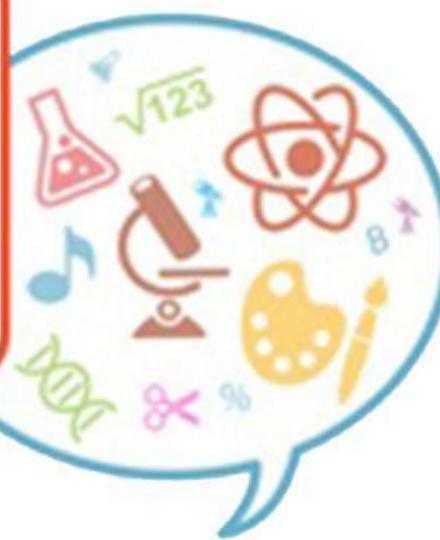
CLIL Principles: the 4 C-s

Cognition

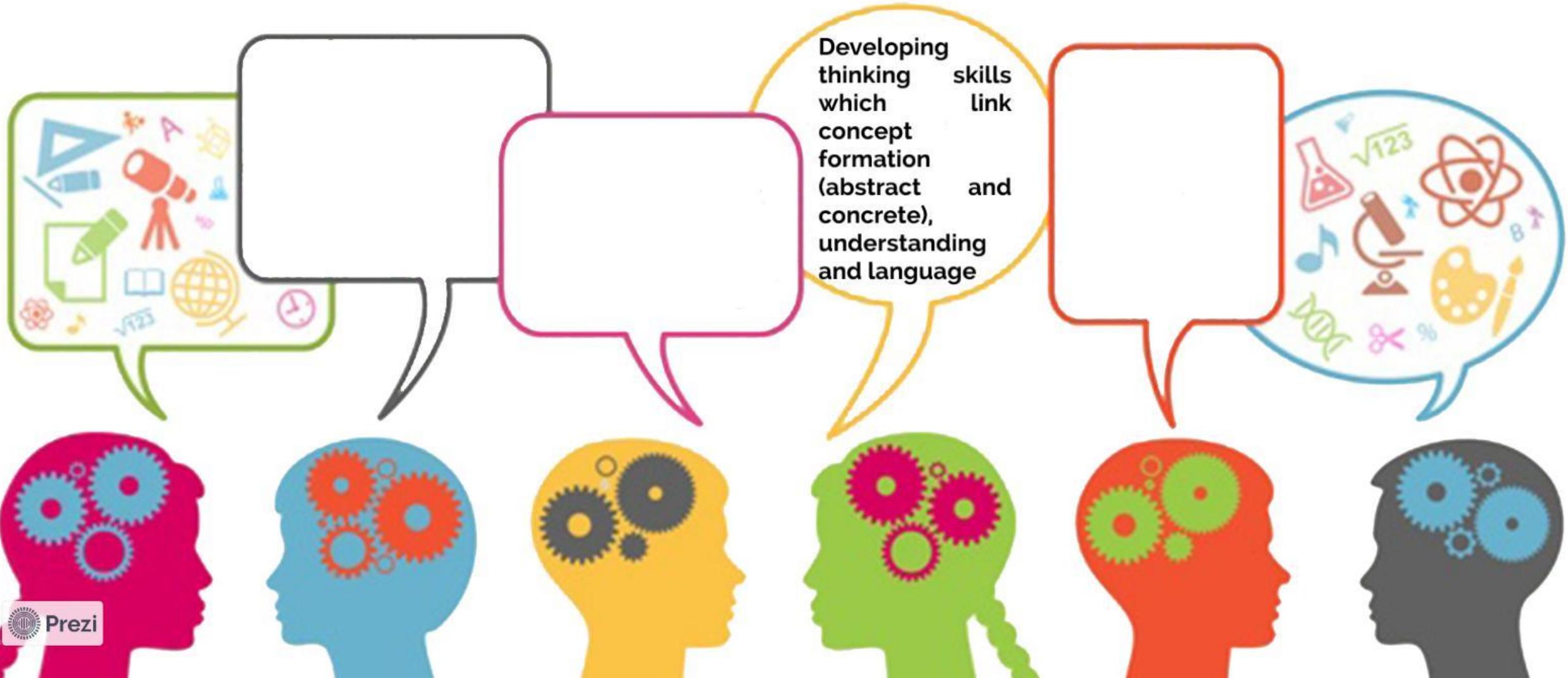
Culture

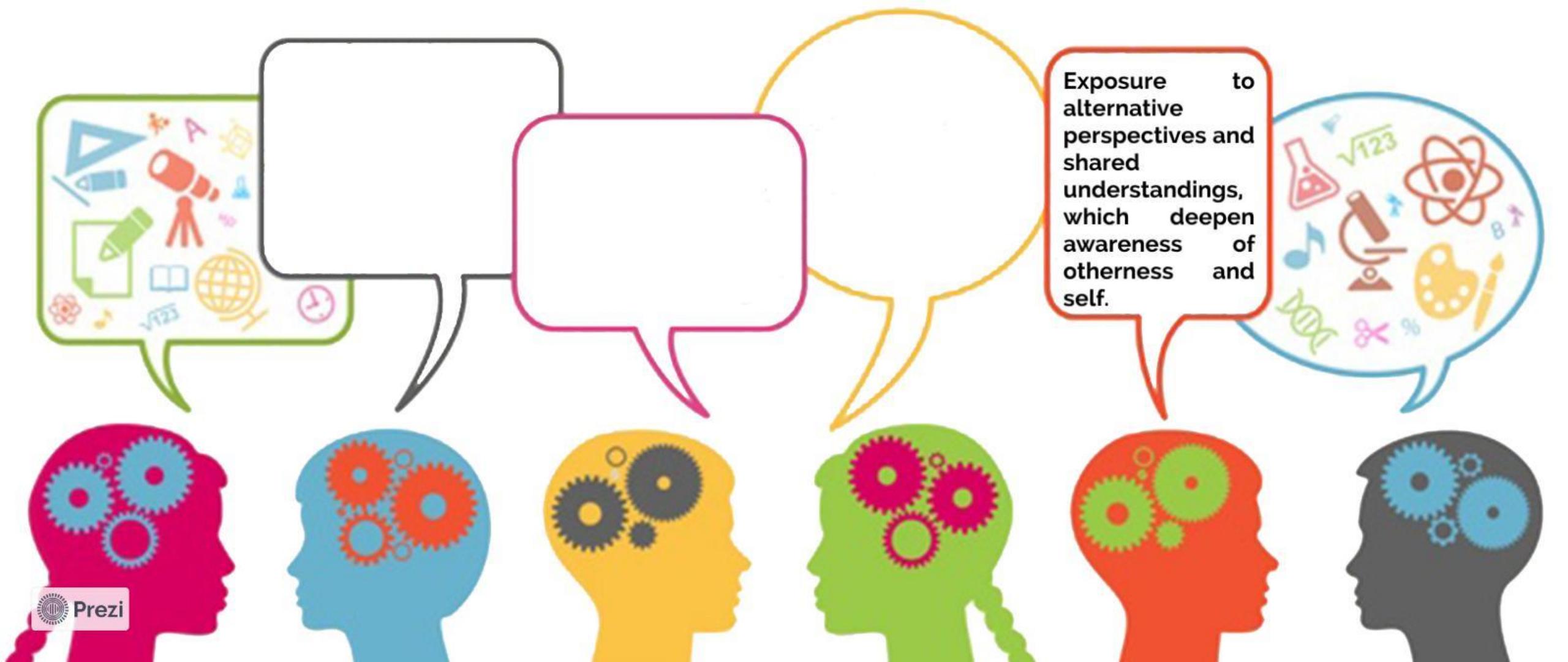


Progression in knowledge, skills and understanding related to specific elements of a defined curriculum

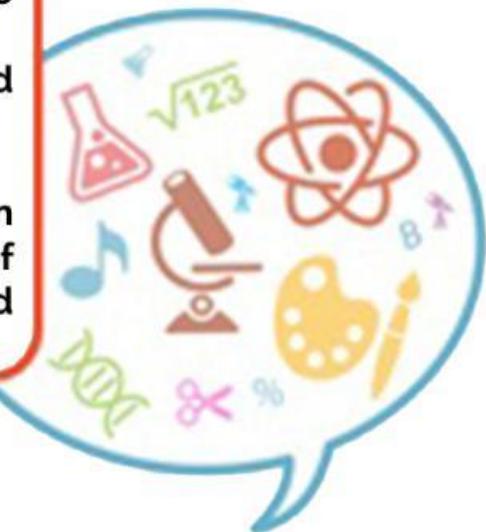
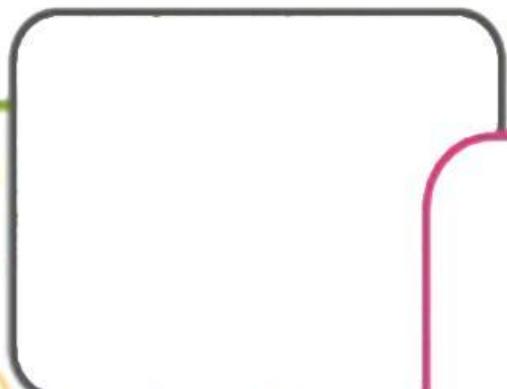


Using language
to learn whilst
learning to use
language





Exposure to alternative perspectives and shared understandings, which deepen awareness of otherness and self.



CLIL4STEAM Project overview

A project developed under Erasmus+ Strategic Partnership programme
(Strategic Partnerships for School Education)

Project period: 01.11.2019 - 31.10.2021

Project No.: 2019-1-PL01-KA201-065027

Website: <https://clil4steam.pixel-online.org/>

Expected Results

Context

Project partners

Target Groups

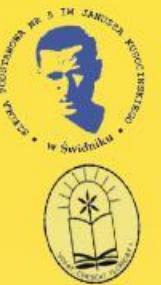
Objectives

Context

Content and Language Integrated Learning (CLIL) plays an increasingly important role in language education.

At the same time, STEAM (Science, Technology, Engineering, Arts and Mathematics) is important because it pervades every part of our lives.

Project partners



Szkoła Podstawowa nr 5 im. Janusza Kusocińskiego w Świdniku (PL)



Trakai Vytautas Magnus Gymnasium (LT)



Limerick Institute of Technology (IE)



Istituto Superiore Statale "E. Montale" Nuovo IPC (IT)



Università Telematica degli Studi IUL (Italian University Line) (IT)

Pixel (IT)



Fundatia EuroEd (RO)

Objectives

The C4S project aims at combining the study of CLIL and STEAM. Specific objectives of the project are:

1. Provide teachers using CLIL method with necessary knowledge and skills to create their own materials
2. Provide teachers and students with high quality and highly transferable CLIL based teaching materials focusing on STEAM curricula
3. Creating a community of practice through which teachers and educators could share their CLIL materials and tips for teaching STEAM in a foreign language

Target Groups

The project is addressed to:

- 1.** Secondary School Teachers
- 2.** Secondary School Students (aged 11-19)

Expected Results

The main project deliverables include:

- 1.** A set of valuable CLIL based Educational Videos for STEAM
- 2.** A set of Teaching Resources for the implementation of CLIL for STEAM
- 3.** Teachers' guidelines for using CLIL to teach STEAM



CLIL
Methodology

Lesson
Plans

Video
Library

CLIL4STEAM Project results and benefits

*Collection of
Created Teaching
Resources*

*Collection of
Reviewed Teaching
Resources*

CLIL Methodology



<https://clil4steam.pixel-online.org/files/results/Guidelines%20on%20CLIL%20Methodology.pdf>

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

This project has been funded with support from the European Commission.
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 CLIL
for STEAM

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CLIL Methodology



Home / CLIL Methodology

Guidelines on CLIL methodology



CLIL for STEAM
Developed in the framework of the European project
CLIL for STEAM
Project number: 2019-1-PL01-KA201-060027

Authors:
Letizia Cinganotto, Fausto Benedetti and Maria Guida
Università Telematica degli Studi

CLIL (Content and Language Integrated Learning) (Marsh, 1994) is an innovative methodology focusing on the learning of language whilst simultaneously teaching content from a subject area such as humanistic or scientific area (Coyle et al., 2010). Therefore CLIL means using a foreign or second language as a medium of instruction and learning for primary, secondary and/or vocational-level subjects such as Math, Science, Art or Business.

CLIL is considered by the European Commission as a driver to innovation and as an effective methodology, which can contribute to improve the quality of education all over the member states. The report from Eurydice (2017) Key data on teaching languages at school in Europe highlights CLIL provision all over Europe, pointing out that it has expanded considerably in all member states, but only a few of them have adopted it as a national education policy, introducing it at a certain level of education and Italy is among them.

 CLIL for STEAM
Project Number: 2019-1-PL01-KA201-060027
Contract

Guidelines on CLIL methodology



CLIL for STEAM
Developed in the framework of the European project
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of the European Union

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of the European Union

Video Library

<https://clil4steam.pixel-online.org/video-library.php>

[https://www.youtube.com/channel/
UCFevzQfA7HLNG7s7CyoaFw/videos](https://www.youtube.com/channel/UCFevzQfA7HLNG7s7CyoaFw/videos)

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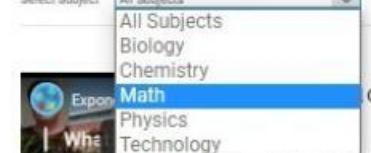


Home / Video Library

Section: Video Library

A collection of video library to be used by teachers in order to plan classroom activities making use of the teaching resources.

Select Subject All Subjects



Growth Part 1

This video lesson is relevant for Biology as well as Mathematics. Upon completion of this lesson, students should be able to:- Explain what Exponential Growth is - Describe Exponential Growth with examples in savings and a chess board - Deduce...



Exponential Growth Part 2 The Exponential Function

Math

This video lesson is for age 17 - 19 years. It is relevant to Biology as well as Mathematics. Upon completion of this lesson, students should be able to:- Explain what Exponential Function is - Describe an Introduction to Exponential Fu...



Force of Gravity

Physics

In this video we look at the Force of Gravity. We consider different types of force and then look at what gravitational force actually means. We look at the difference between mass and weight.

Search

CLIL4Steam Project
11 subscribers

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Model House part 2
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Tricks of the light 2
12:18 23 views - 10 months ago CC

A Plastic World
10:24 100 views - 10 months ago CC

Trick of the light "What can we see today?"
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Tricks of the light 2
12:18 23 views - 10 months ago CC

Collection of Reviewed Teaching Resources



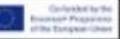
https://clil4steam.pixel-online.org/tr_reviewed.php

Collection of Created Teaching Resources



https://clil4steam.pixel-online.org/tr_created.php



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Home Video Library Supporting Material Guidelines Partnership Information Project Management



Collection of Created Teaching Resources

Home / Collection of Created Teaching Resources

Section: Collection of Created Teaching Resources

A collection of created teaching resources addressing STEM related topics.

Select Subject	Chemistry		
Type of Product	All Types of Products		
Language Skills Developed	All Languages Skills Developed		
<p>All Languages Skills Developed Interaction Listening Reading Speaking Writing</p>			
Title	Type of Product Language Skills Developed		
Biogeochemical Cycle	- Chemistry	- Exercises - Interactive activity	- Interaction - Reading - Speaking
Carbon - label the diagram			
Carbon cycle	- Chemistry	- Interactive activity	- Interaction - Reading - Writing
Hydrocarbons Crossword	- Chemistry	- Exercises	- Interaction - Reading - Writing
Hydrocarbons ebook	- Chemistry	- e-book	- Reading

Lesson Plans

<https://clil4steam.pixel-online.org/lesson-plans.php>





CLIL
for STEAM

Home Video Library Supporting Material Guidelines Partnership Information Project Management



Home / Lesson Plans

Section: Lesson Plans

A database of lesson plans to specific STEM topics taught in English.

Select Subject

All Subjects

All Subjects

Art

Biology

Chemistry

Math

Physics

Technology

Title
Are percentages useful...
real life?

Language Skills Developed

- Interaction
- Listening
- Reading
- Speaking

Exponential Growth

- Math

- Interaction
- Listening
- Reading
- Speaking
- Writing

Global warming and climate
change

- Chemistry
- Physics

- Interaction
- Listening
- Reading
- Speaking
- Writing



After our filtering devices were complete,

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