Erasmus+

DIREZIONE DIDATTICA COMPARONZZI

Environmental Education: Learning and acting for a better future

europass

Teacher Academy

Marzo 2025

Amsterdam

From STEM to STEAM: a new learning approach

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Sharing experiences, relations and food

Teachers from Croatia, Germany, Greece, Cyprus, Iceland, Czech Republic, Estonia, Portugal, Belgium, Romania, Slovakia









Environmental Education: Learning and acting for a better future

Environmental education is a process that allows individuals to explore **environmental issues**, engage in **problem-solving**, and **take action** to improve the environment. As a result, individuals develop a deeper understanding of environmental issues and have the skills to make informed and responsible decisions." -EPA

ENVIRONMENTAL AWARENESS DAYS

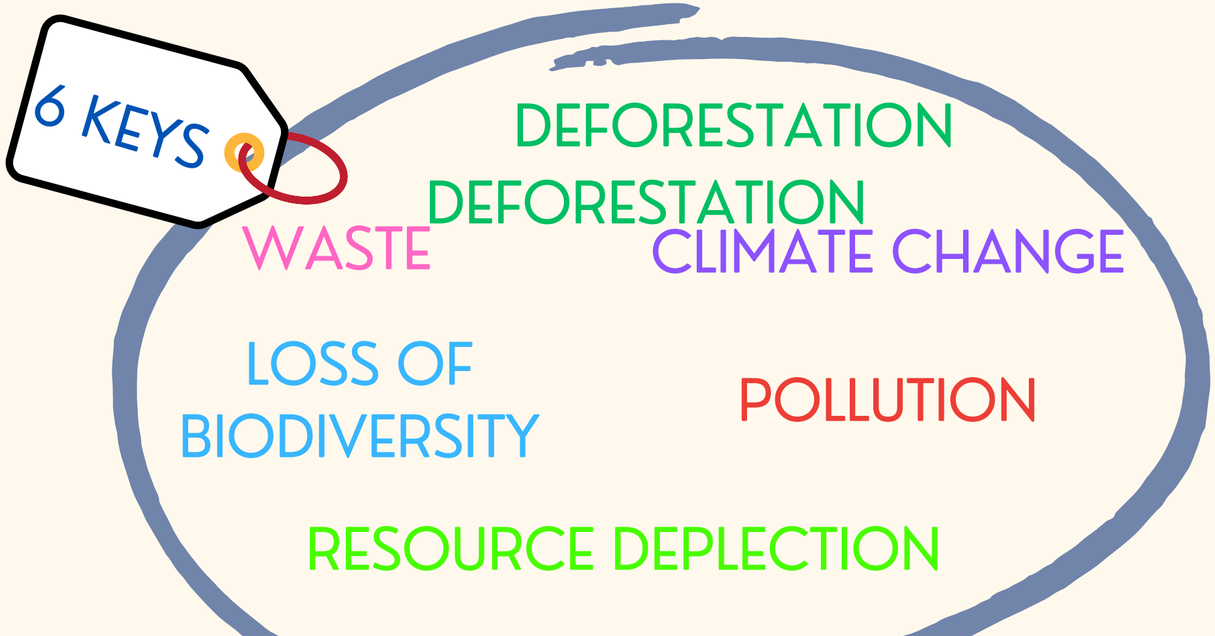






AGENDA 2030





Environmental Education: Learning and acting for a better future

EXPERIMENTAL LEARNING

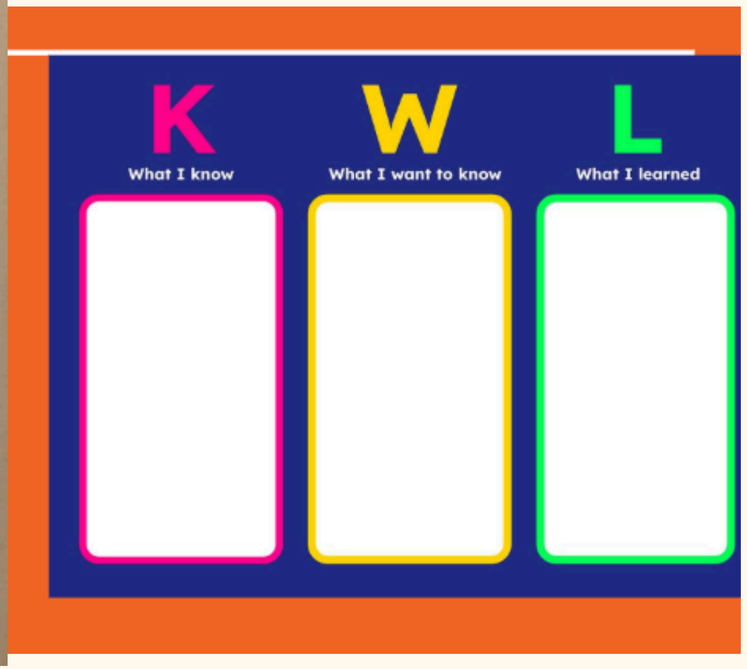
GAMIFICATION

SEL-SOCIAL EMOTIONAL LEARNING

KWL: KNOW, WHANT, LEARNT



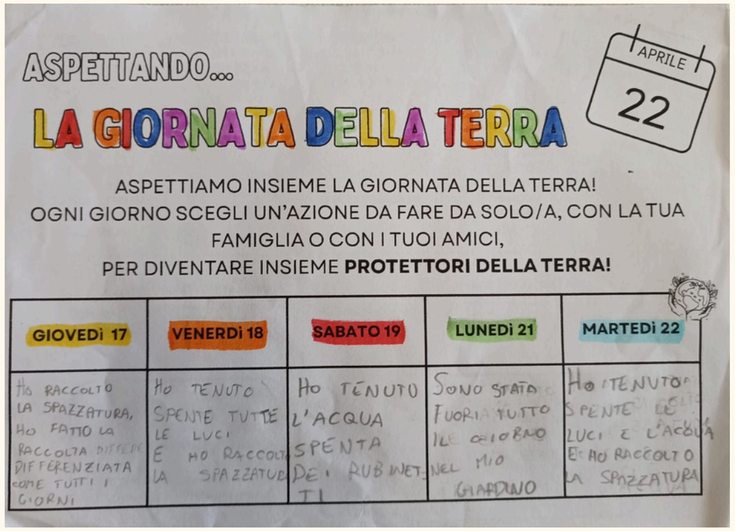


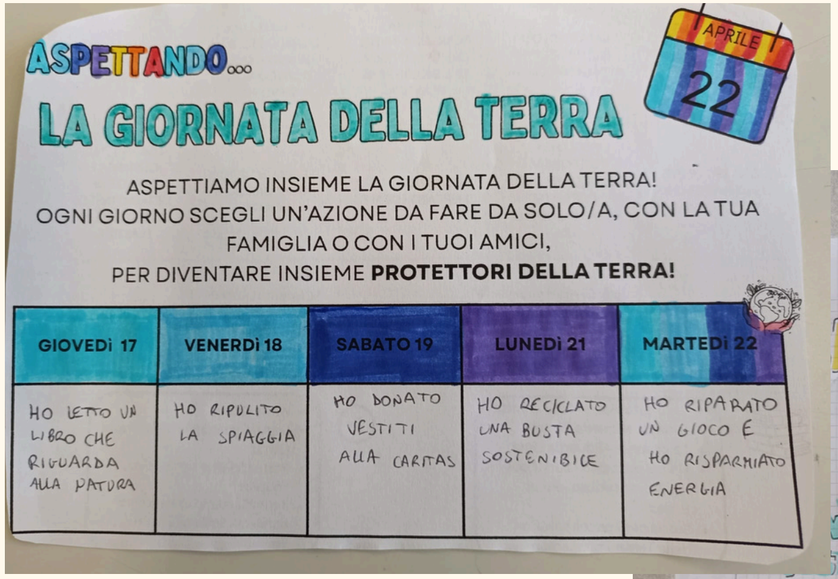


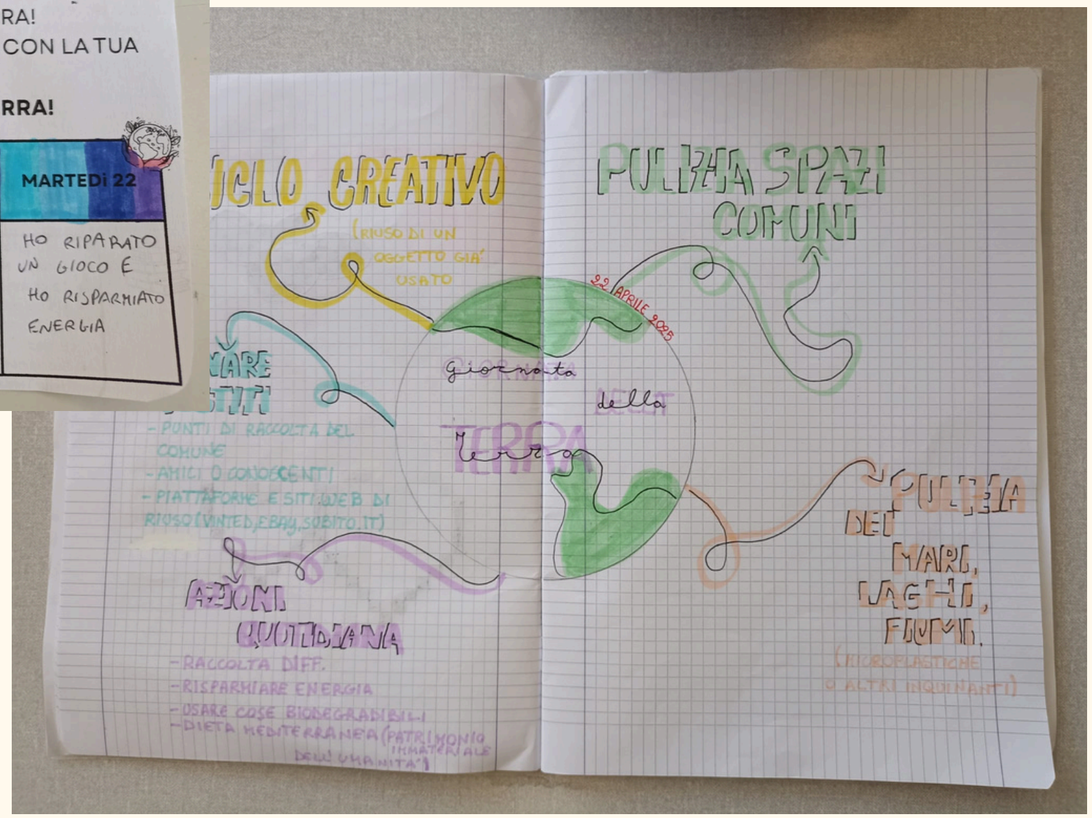
Environmental Education: Learning and acting for a better future: PROJECT ACTIVITIES

PBL project based learning → service learning

- earth day calendar
- compost a scuola







From STEM to STEAM: a new learning approach

By integrating ART with S.T.E.M. subjects school can strengthen students abilities:

-to be creative and problem solvers

-to explore different ideas

-to recognize failure as opportunity to discover

-to communicate well with others

CREATIVITY

COLLABORATION

U.D.L.

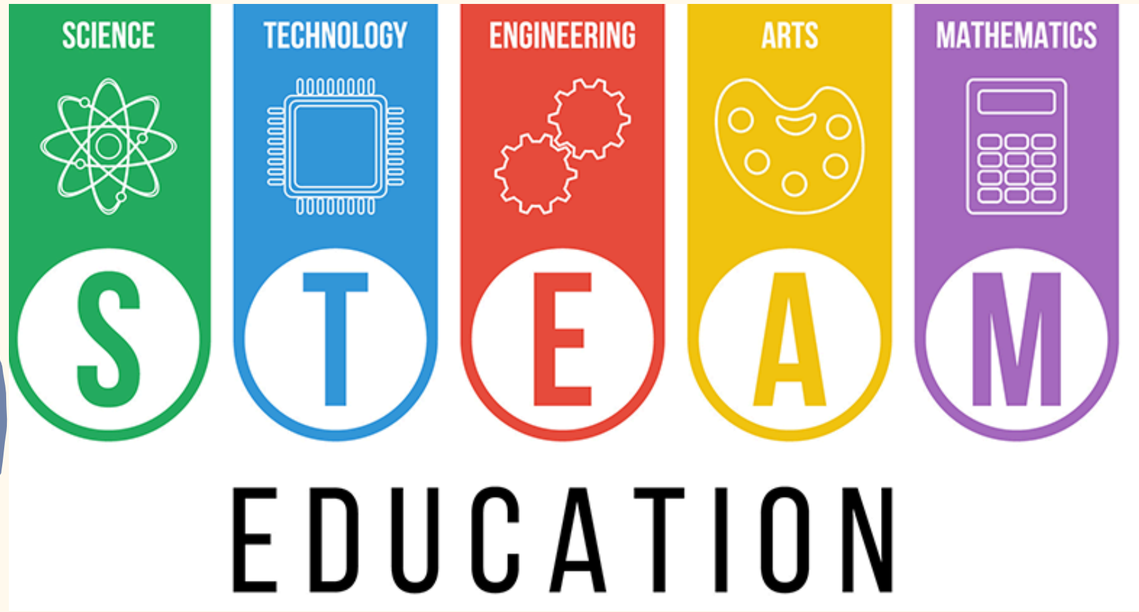
S.T.E.A.M.

A.I.

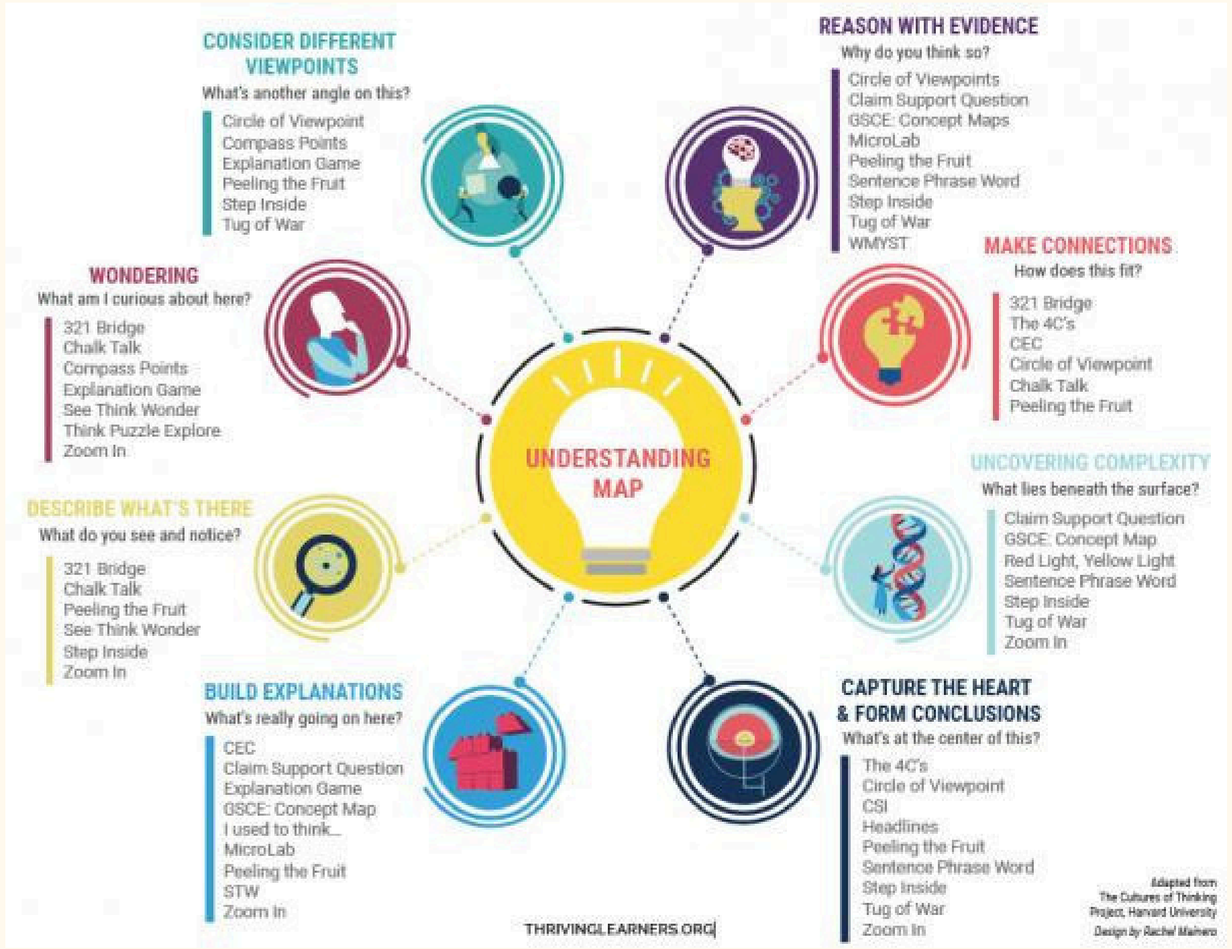
S.T.E.M.

CRITICAL THINKING

COMMUNICATION



From STEM to STEAM: a new learning approach



thinking routine toolbox (project zero)

website and apps

A.I.

MAGIC SCHOOL

Education Organizer AI

From STEM to STEAM: a new learning approach

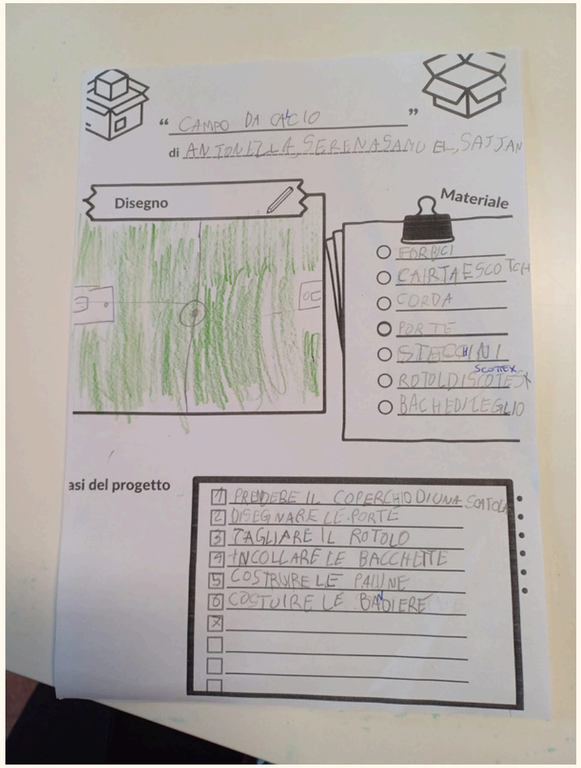
REMEMBER

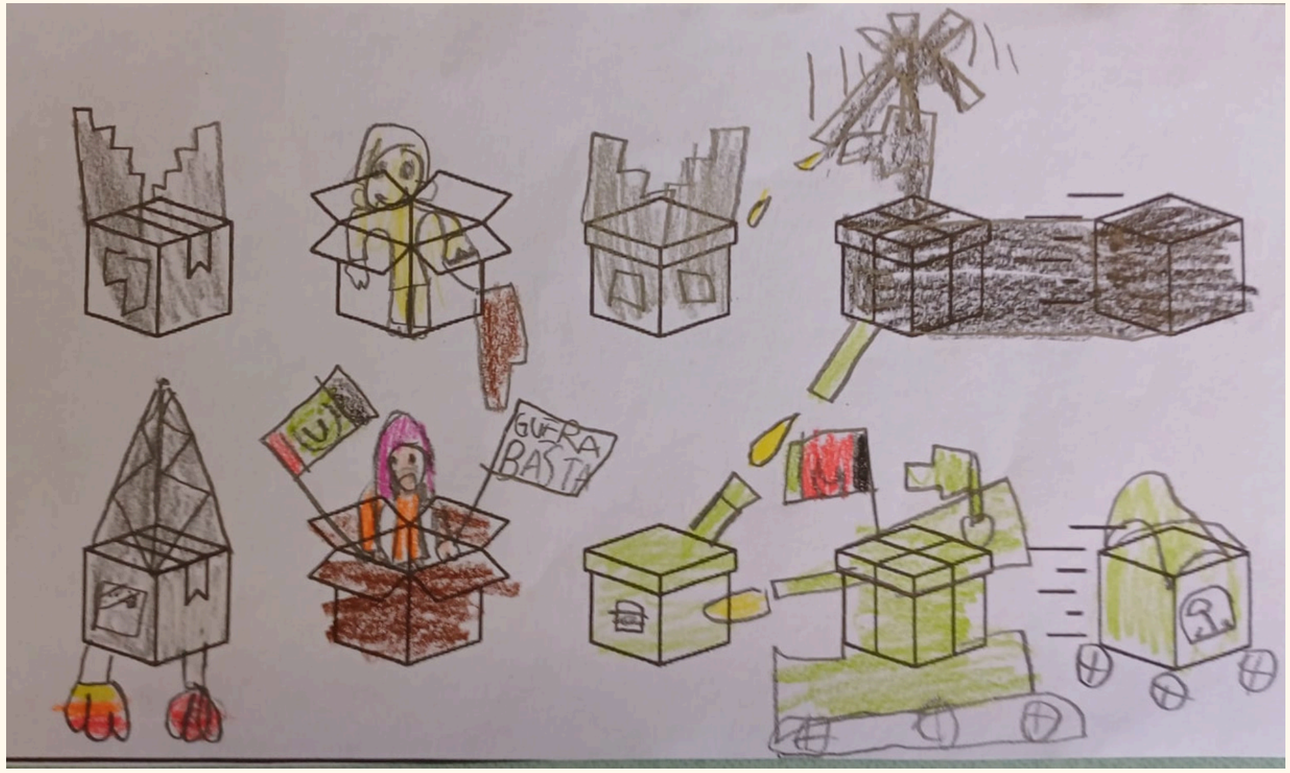
For bringing STEAM into your school have a **clear vision** of what your steam goals are and **be realistic**!

Start small!









Education sistem in the Nederlands



PRIMARY SCHOOL

AGE 4-12

FREEDOM EDUCATION:

public school but with a lot of types: religion based, Montessori, Freeschools

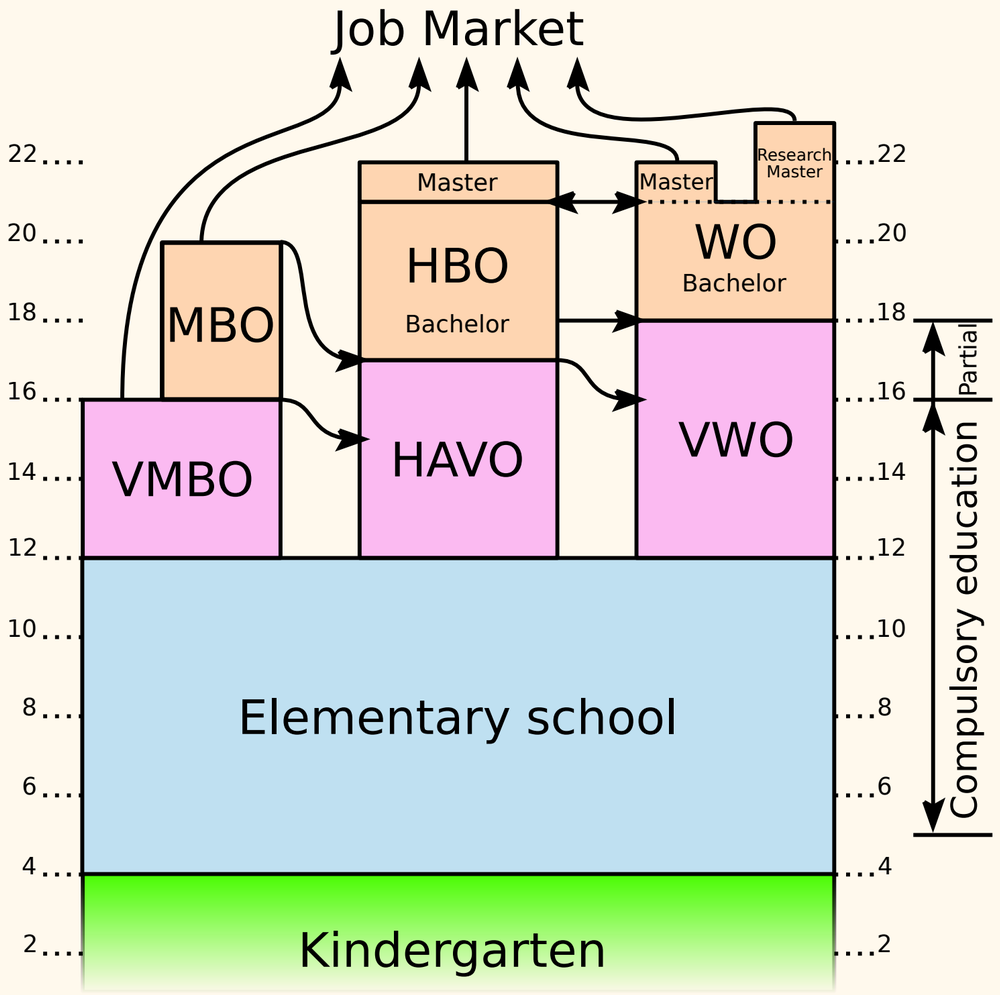
Special needs: special schools (DSA in the normal school)

CITO: FINAL EXAM, NATIONAL (Math, Dutch, Geography, History)
BASED ON THIS EXAM TEACHERS DECIDES WHICH SECONDARY SCHOOL YOU CAN GO.

Education sistem in the Nederlands

SECONDARY SCHOOL

AGE 12-16 o 18



There are 3 different types of secondary schools.
VMBO: vocational schools, no access at university
HAVO: higher vocational school
VWO: University

Amsterdam

#1 bikes rule the city



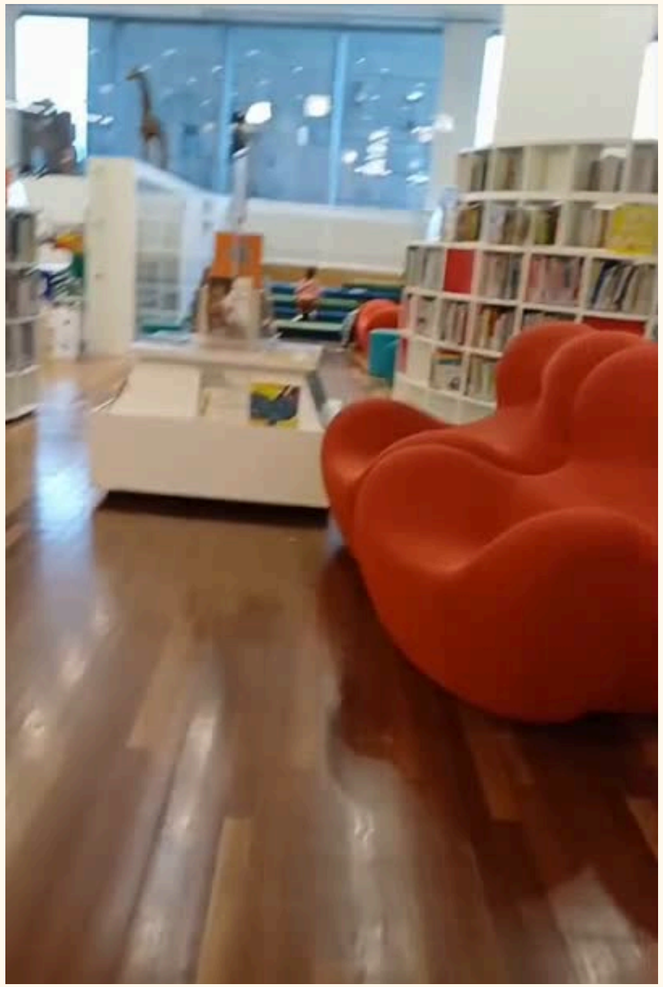


Free Time: Public Library









Van Gogh museum







Nemo science museum







Strengths

- Confronto e condivisione di diverse esperienze scolastiche e punti di vista sulle tematiche dei corsi;
- Possibilità di formarsi in un contesto multiculturale pensato per la dimensione europea
- Occasione di fare un'esperienza di formazione insieme ad attività culturali

Weaknesses

- Diversi gradi di scuola presenti: proposta ad ampio raggio
- Assenza di sperimentazione sul campo di attività







Thank you for the opportunity