

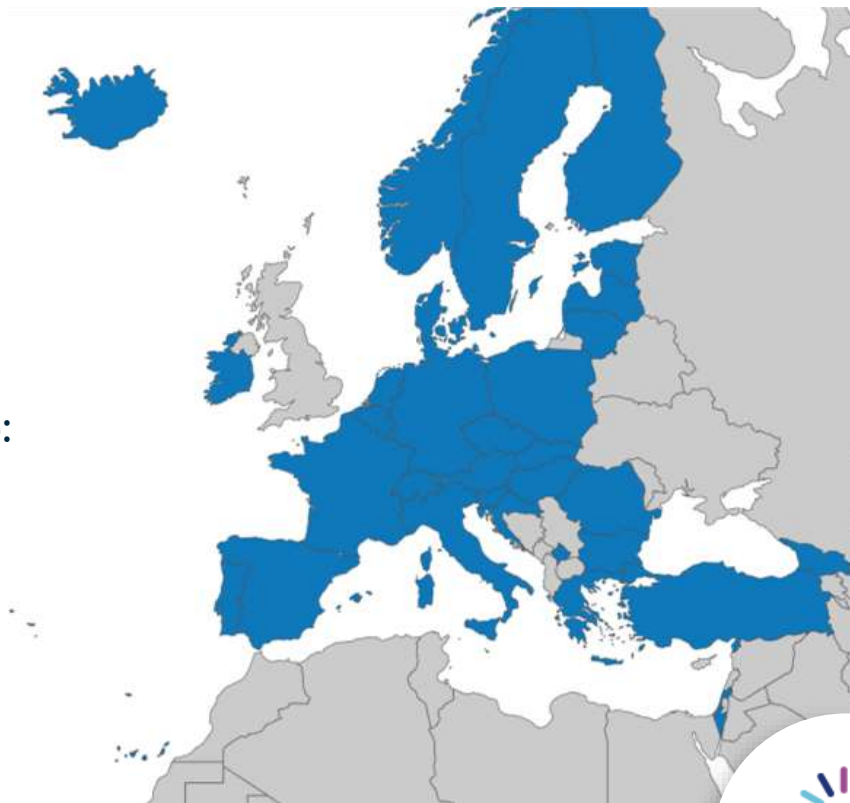
Rethinking Learning Environments

Bart Verswijvel
Senior Adviser
European Schoolnet



European Schoolnet

- **Network of 30+ European Ministries of Education**
- Bring **innovation** in teaching and learning to:
 - Ministries of Education
 - schools
 - teachers
 - researchers
 - industry partners
- **eun.org**



FUTURE CLASSROOM LAB



CLASSROOM

ROOM for REFLECTION & DIALOGUE



2 0 1 2



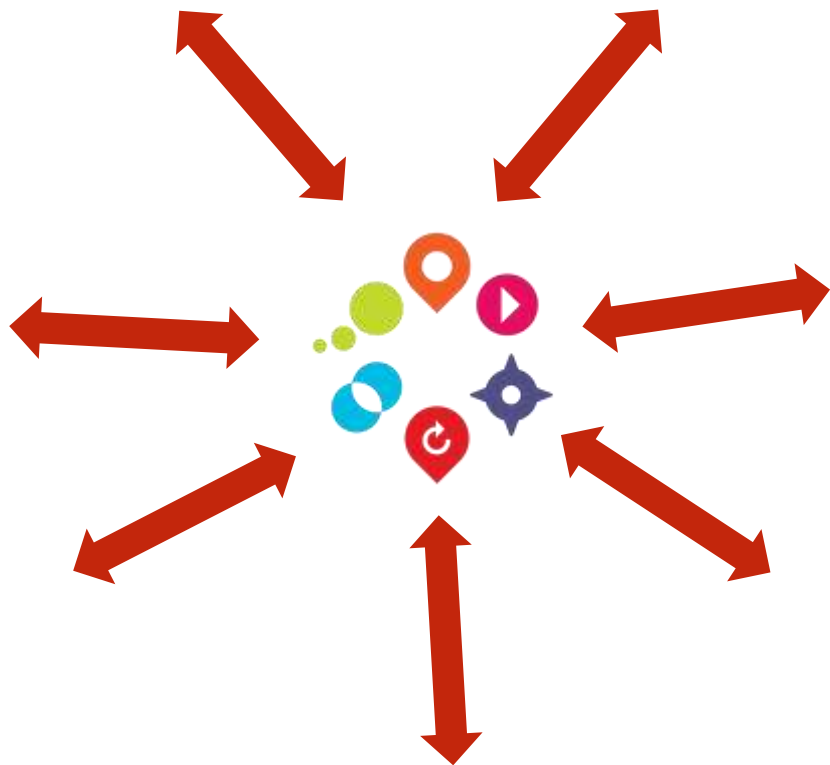
RIGENERIAMO LA SCUOLA

3D TOUR FUTURE CLASSROOM LAB



bit.ly/fcltour

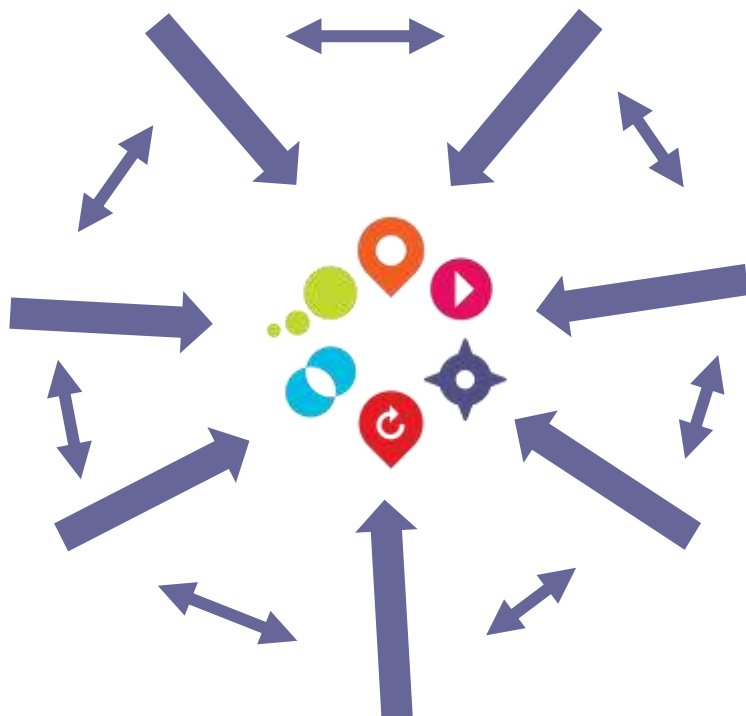
FUTURE CLASSROOM LAB



Classroom

- **What is the power?**
- **How can FCL accelerate innovation in a school?**

FUTURE CLASSROOM LAB



Innovation hub

Space for Dialogue & Reflection

- **Connecting stakeholders**
- **Building active networks**

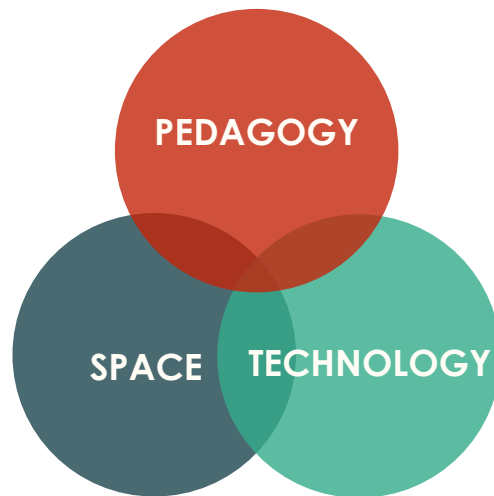
FCL ECO-SYSTEM



THE LEARNER OF TODAY



ACTIVE LEARNING



THE LEARNER OF TODAY



CONTENT

1 subject

**Complexity of
dimensions**

PEOPLE

1 age group

TIME

1 time slot

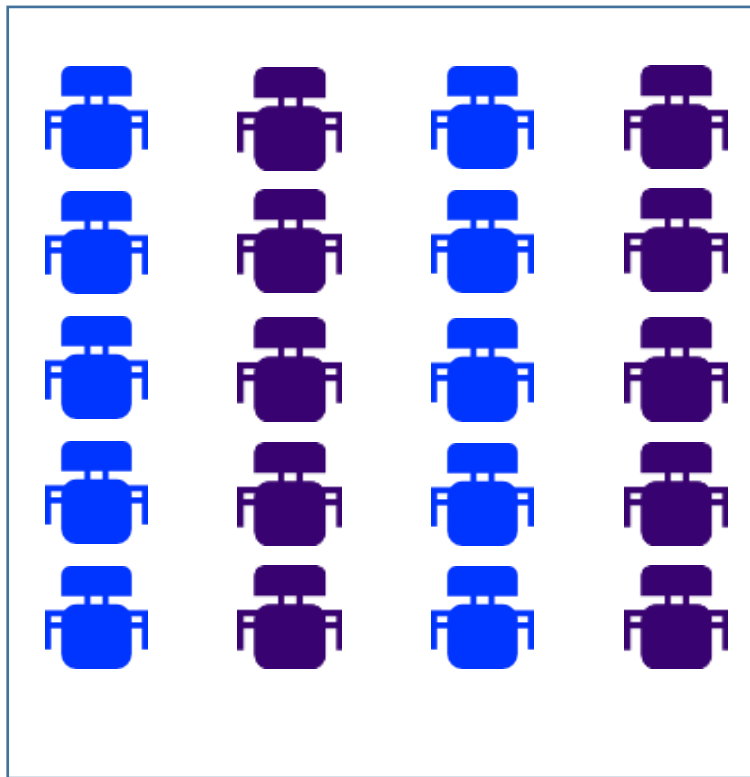
SPACE

1 space

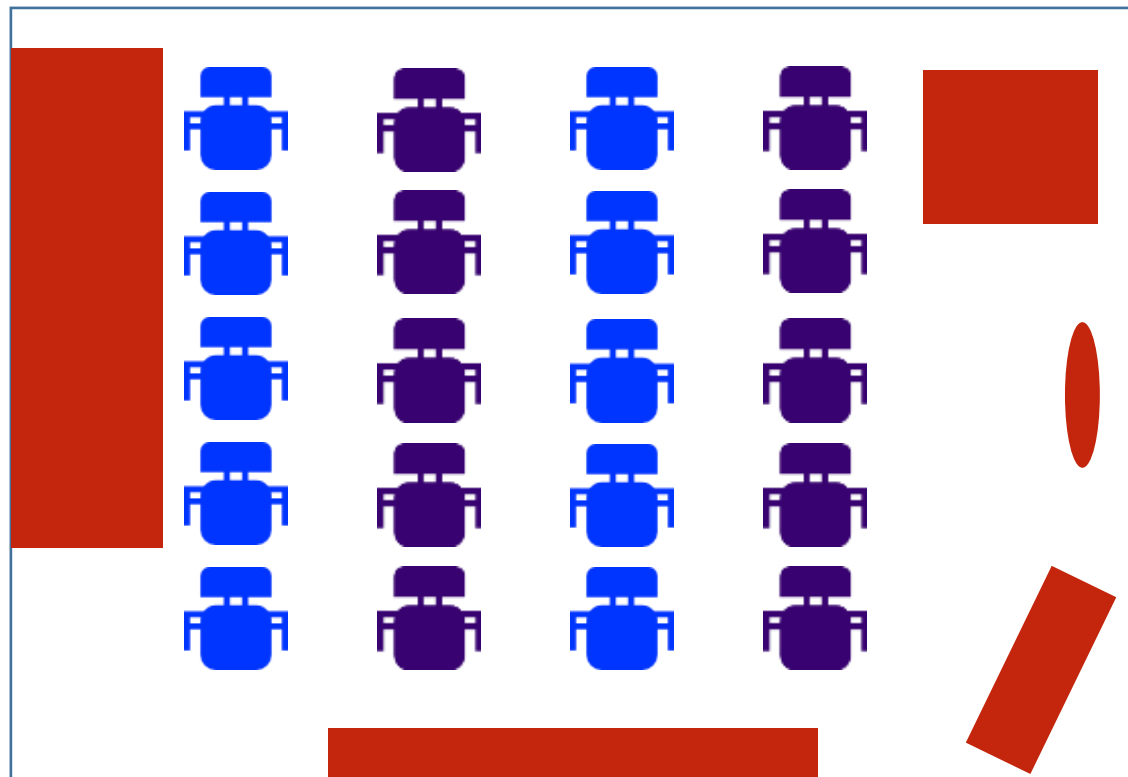
**How do we
manage?**



STATIC CLASSROOM

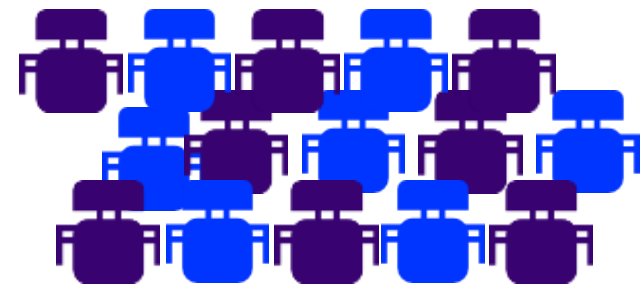
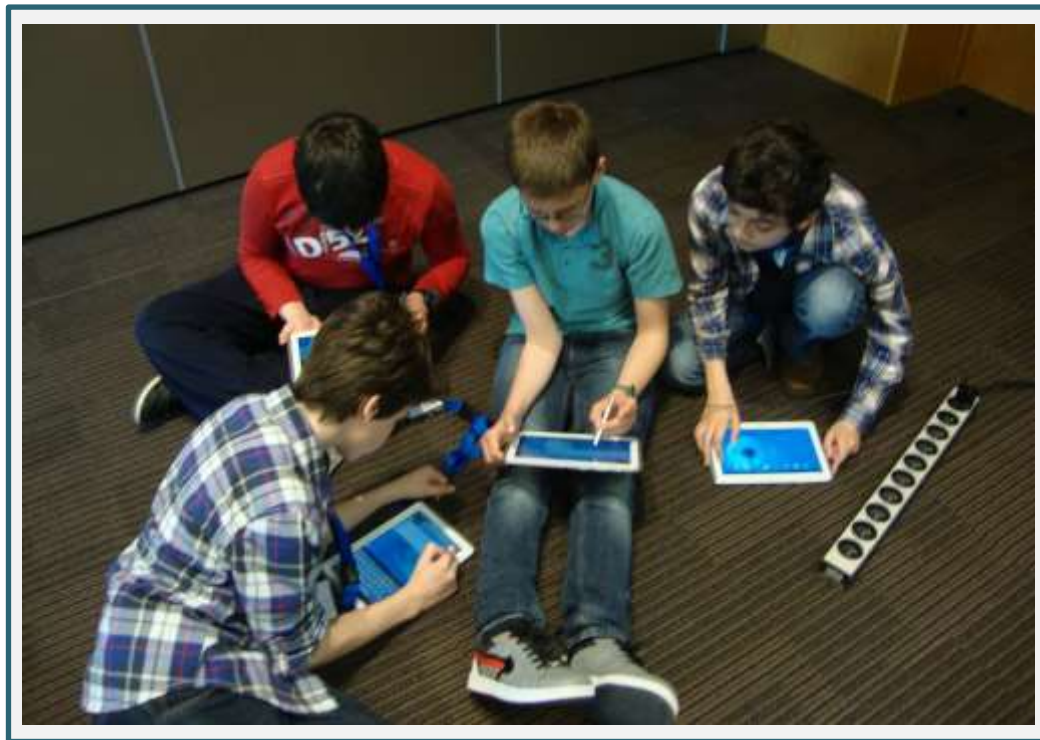


STATIC CLASSROOM

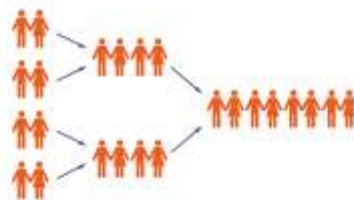


**Free the
Floor!**

DYNAMIC CLASSROOM



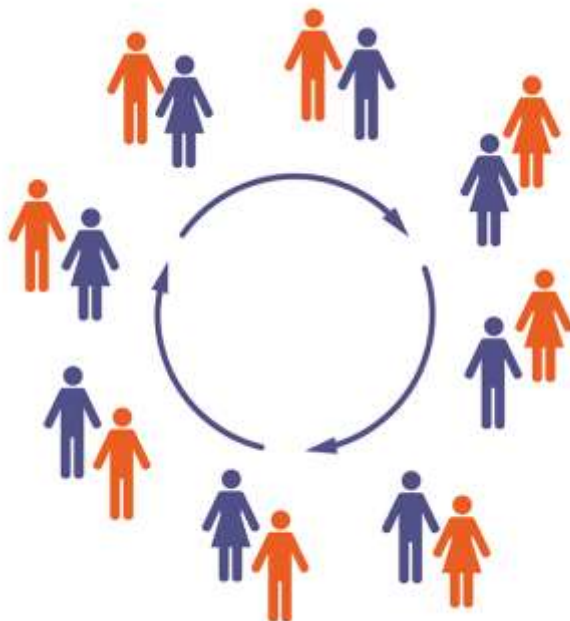
DYNAMIC CLASSROOM FORMATS



DYNAMIC CLASSROOM FORMATS

Example

SPEED DATING, ONION, CONCENTRIC CIRCLES

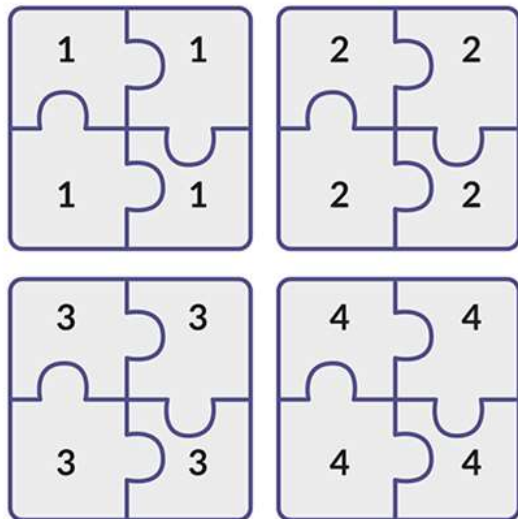


DYNAMIC CLASSROOM FORMATS

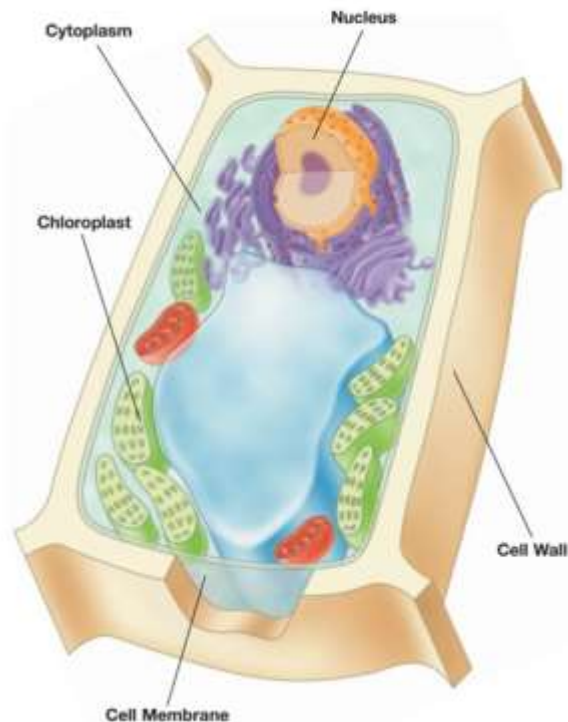
Example

JIGSAW

FOCUS GROUPS



Plant Cell

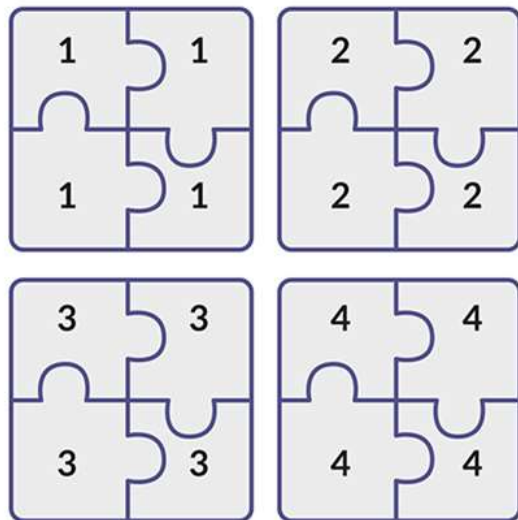


DYNAMIC CLASSROOM FORMATS

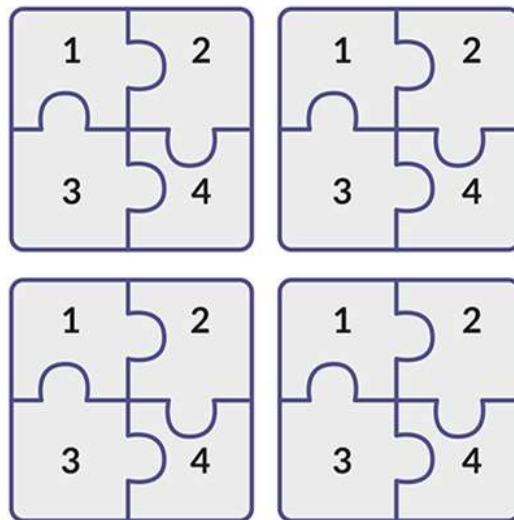
Example

JIGSAW

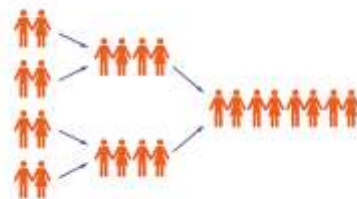
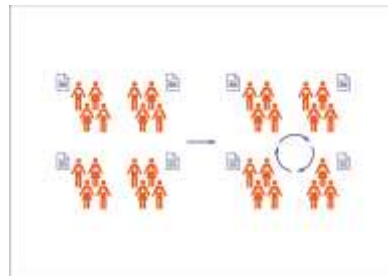
FOCUS GROUPS



TASK GROUPS



DYNAMIC CLASSROOM FORMATS



bit.ly/novigado-guidelines

TRADITIONAL SPACES

A space tells a story



TRADITIONAL SPACES

**Is the traditional
classroom layout
sufficient to
achieve the
pedagogical goals
of today?**



ACTIVE LEARNING VERBS



INVESTIGATE >



CREATE >



PRESENT >



INTERACT >

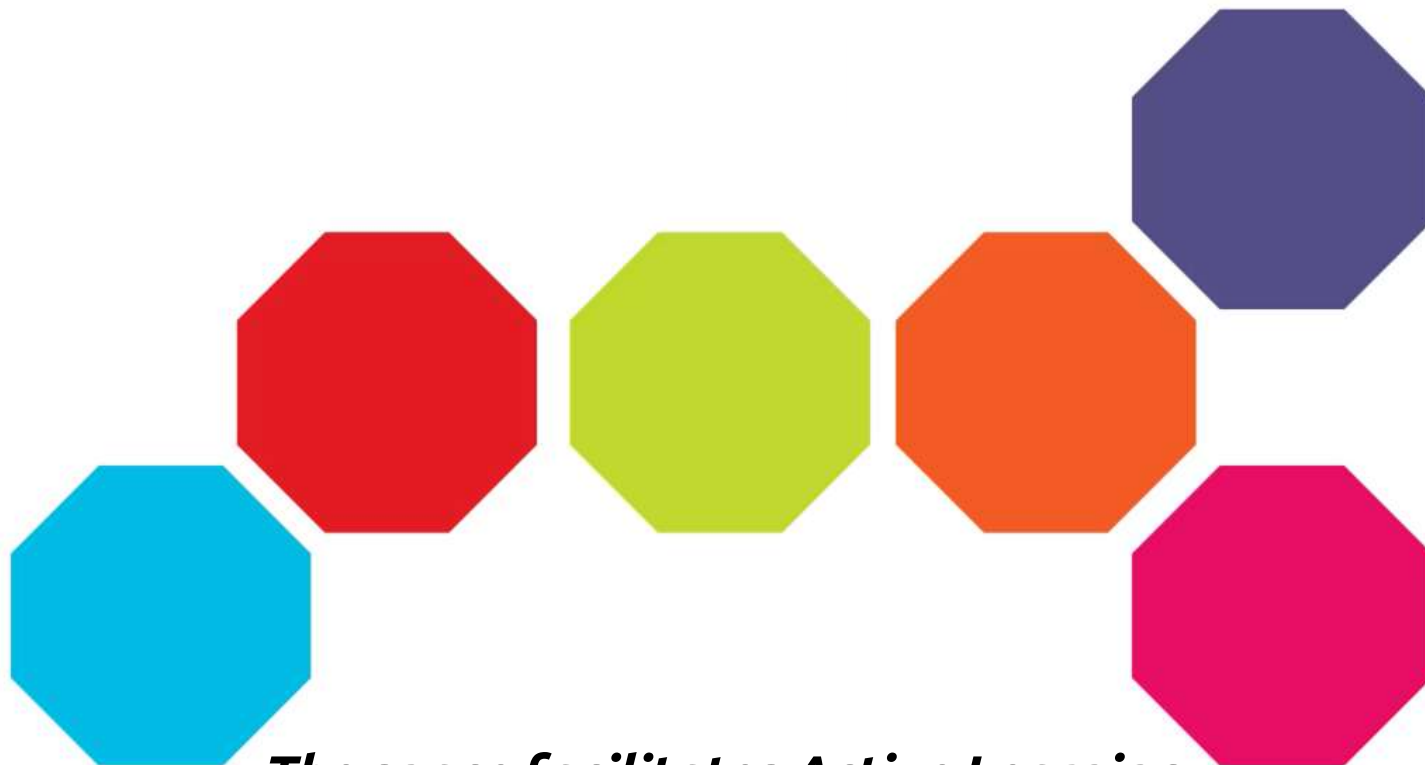


EXCHANGE >



DEVELOP >

LEARNING ZONES

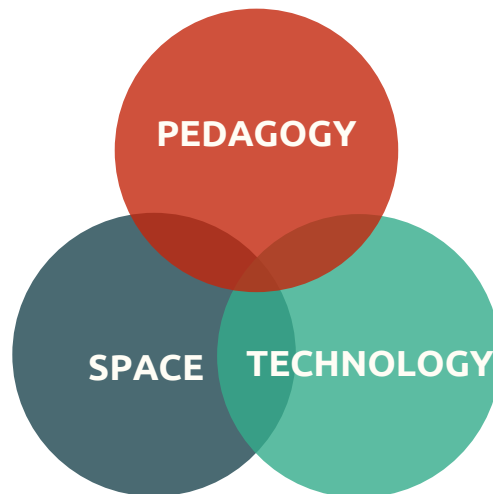


The space facilitates Active Learning

LEARNING ZONES FACILITATE ACTIVE LEARNING

1. What active learning verb do you want to facilitate?

2. How would you design the space?



3. What type of equipment and/or technology would be beneficial?

OVERLAPPING LAY-OUT



HARDWARE



VERBAL CONNECTION



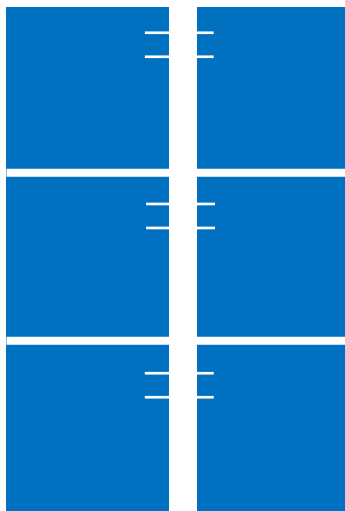
also OUTSIDE CLASSROOM

THE WHOLE SCHOOL AS A WORKING PLACE

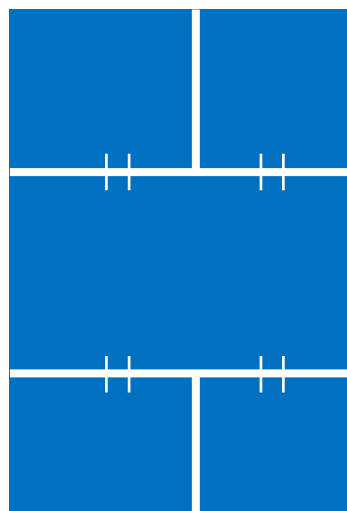
An abstract graphic composed of several overlapping rectangles in shades of yellow and orange. A central, slightly tilted rectangular area is highlighted in a lighter yellow. Overlaid on this central area is the text "Learning Space" in a blue, sans-serif font.

Learning Space

THE WHOLE SCHOOL AS A WORKING PLACE



**Traditional school
with isolated
classrooms**



**Classrooms with
communal
breakout rooms**

THE WHOLE SCHOOL AS A WORKING PLACE



THE WHOLE SCHOOL AS A WORKING PLACE



RIGENERIAMO LA SCUOLA ACCANTO AI DIRIGENTI SCOLASTICI

IMPLEMENTING NEW LEARNING SPACES



SPACE SOLUTIONS

- **Future Classroom**

1 space that 'has it all'

Functionality, Flexibility *and* Intimacy

- *Optimized* **Classroom** (flexible furniture)
combined with **Develop Areas** (**shared spaces** in the school)

- ***Dedicated spaces***

e.g. Fablab/Makerspace, Multimedia Studio

TYPES OF CHANGES

HARD ARCHITECTURE

walls, windows, doors, ...

SOFT ARCHITECTURE



**In control of
TEACHER/SCHOOL**

Easy

chairs, tables, classroom layout ...

Intermediate

electricity, heating, heavy furniture

Difficult, but feasible

built-in furniture, ...

HACK THE SCHOOL



Inspired by bit.ly/schoolinrichting



HACK THE SCHOOL



Classroom: free the floor

School: re-assign *ineffective, underused* spaces

Storage rooms, teacher podium, ...

School: rethink common spaces

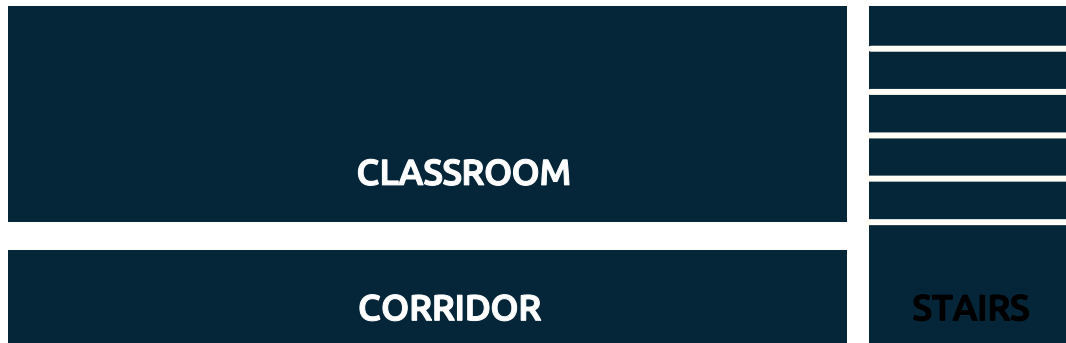
corridors, stairs, entry hall, in-between spaces

Discover potential learning spaces

HACK THE SCHOOL

Expand the classroom

Make *physical* and *mental* connections



Broaden your radius of operation

HACK THE SCHOOL



Exploit cluster options of furniture

Create different seating options

Create learning zones



Bring variation, choice

HACK THE SCHOOL

Build

Create new spaces



(Hard) architecture

IS AN INNOVATIVE SPACE A CHANGE AGENT?



DESIGN
= creating opportunities



USE
= taking opportunities

ARE TEACHERS READY FOR CHANGE?



Worried
Wanda
Willy



Innovative
Iris
Ian



Digital
Diana
Danny



Satisfied
Sara
Sam



Traditional
Tania
Tim

bit.ly/fcl-toolkit

Future Classroom
Toolkit

USEFUL RESOURCES



Guidelines in Learning Space Innovations

bit.ly/novigado-guidelines



Scenario tool for Active Learning

bit.ly/scenario-tool



FCL guidelines for learning labs

bit.ly/guidelines-create-fcl



Future Classroom Toolkit

bit.ly/fcl-toolkit

CONTACT INFO

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