Future Classroom Lab

Rethinking 21st century teaching and learning spaces

European Schoolnet

http://fcl.eun.org
www.europeanschoolnet.org

#FCL_eu

futureclassroomlab

19th Century Learning
No talking
Listen!
No sharing
Memorize!
No moving
No collaboration
Same for all

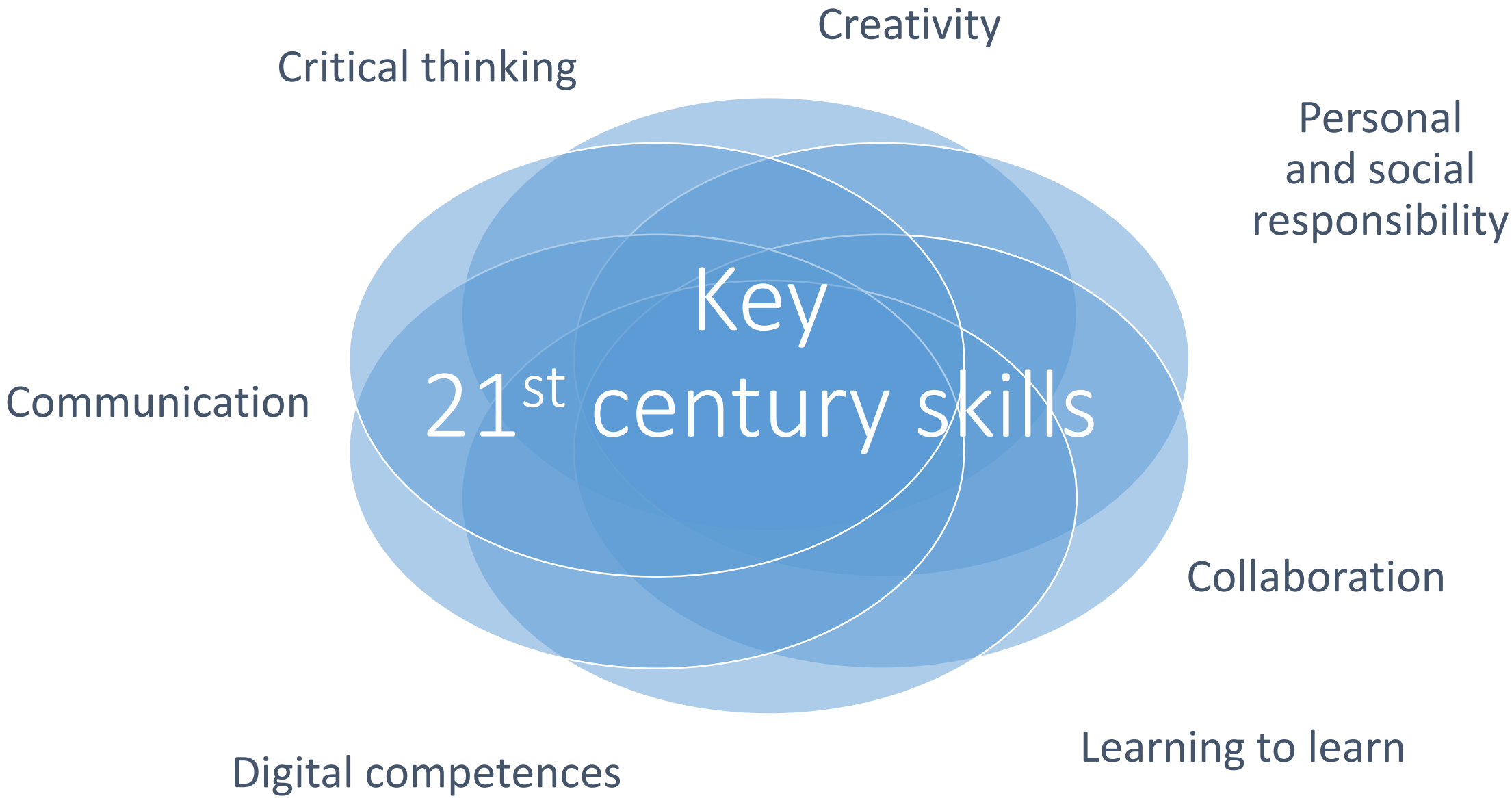
Current education challenges

Education and employability

Teacher capacity building and supply

Digital competence and the digital divide

Innovations fail to scale


Creativity
Critical thinking
Personal and social responsibility
Key 21st century skills
Communication
Collaboration
Digital competences
Learning to learn

Source: University of Kent

Top 10 skills that employers want

- VERBAL COMMUNICATION
- TEAM WORK
- COMMERCIAL AWARENESS
- ANALYSING & INVESTIGATING
- INITIATIVE/SELF MOTIVATION
- DRIVE
- WRITTEN COMMUNICATION
- PLANNING & ORGANISING
- FLEXIBILITY
- TIME MANAGEMENT

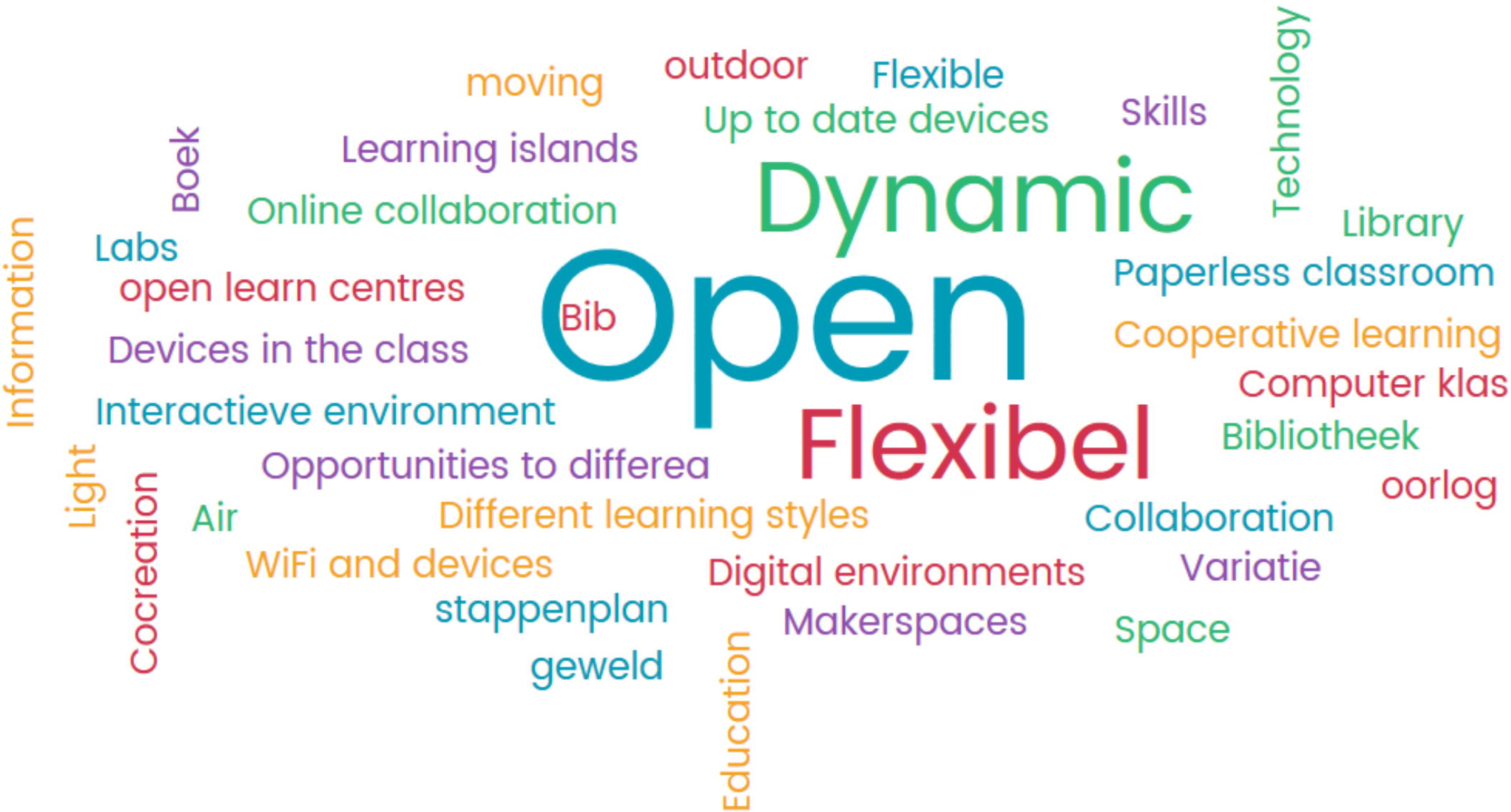
Digital skills and Jobs, European Commission:

“756 000 unfilled vacancies for ICT professionals by 2020.”

What kind of learning spaces do we need in the 21st century schools?

www.menti.com

Use the code **68 53 88**


moving
outdoor
Flexible
Technology
Up to date devices
Skills
Boek
Learning islands
Dynamic
Online collaboration
Library
Information
Labs
Open
Paperless classroom
open learn centres
Bib
Cooperative learning
Devices in the class
Computer klas
Interactieve environment
Flexibel
Bibliotheek
Light
Opportunities to differea
oorlog
Cocreation
Air
Different learning styles
Collaboration
WiFi and devices
Digital environments
Variatie
stappenplan
Makerspaces
Space
geweld
Education

Clever Classrooms project, University of Salford:

“Well-designed classrooms can boost children’s learning progress in reading, writing and maths in primary school pupils by up to 16% in a single year.

…

Natural light, temperature, air quality, colour and individualised classroom design amongst the biggest physical factors impacting on pupils’ learning progress.”

Source: http://www.salford.ac.uk/cleverclassrooms

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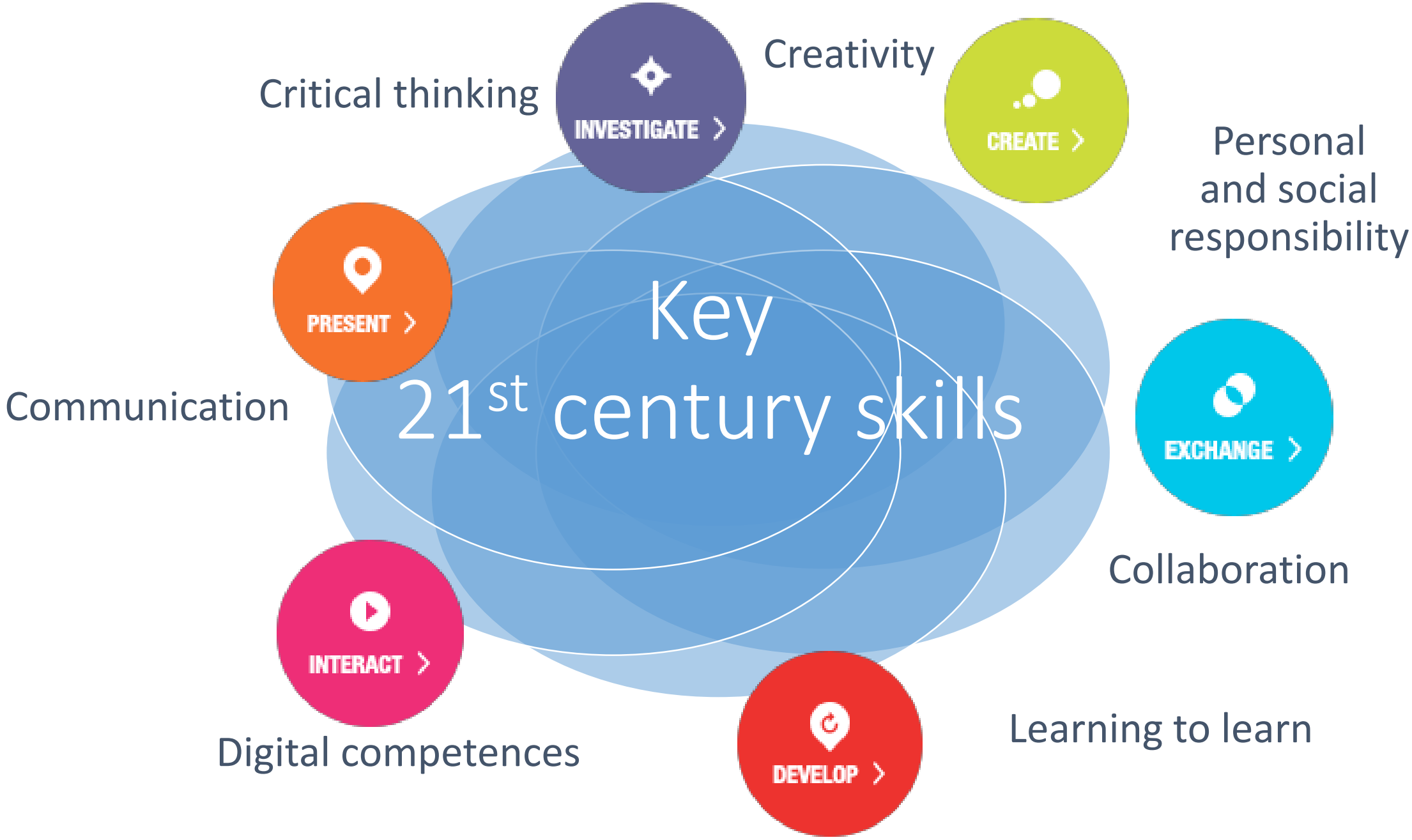
- A **holistic approach** to teaching and learning and 21st century skills
- A **flexible learning space** to experiment with different styles of learning, facilitated by technology, furniture and design.
- A space to promote **discussion on future learning strategies** with teachers, school leaders, ITE organisations, and policy makers.


Critical thinking
INVESTIGATE
Creativity
CREATE
Personal and social responsibility
PRESENT
Communication
Key 21st century skills
EXCHANGE
Collaboration
INTERACT
Digital competences
DEVELOP
Learning to learn

Learning Zones

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Interact

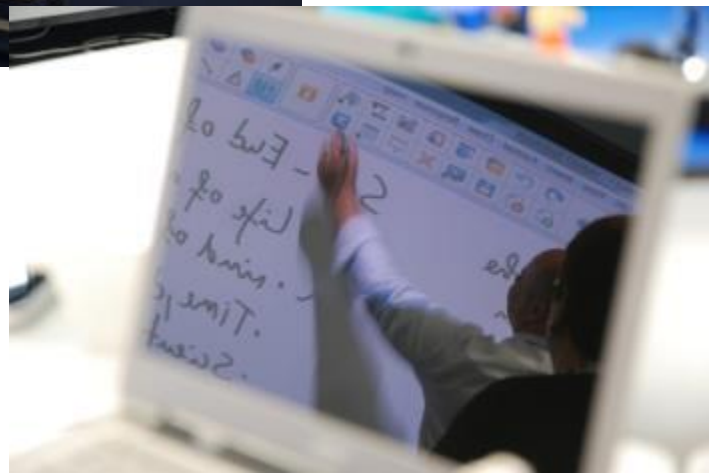
question discuss

- Using technology to **enhance interactivity** and **student participation** in traditional learning spaces.
- **Rearranging physical space**
- **From supervision to communication** with the help of technology (e.g. classroom mgmt. solutions)

Exchange

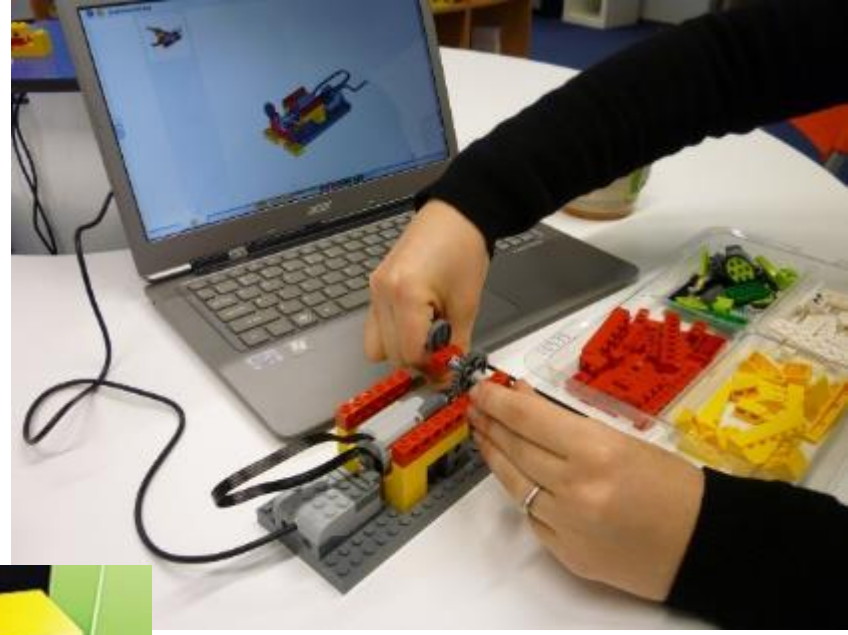
encourage support

- **Peer-to-peer collaboration skills** (ability to collaborate with others)
- Integrating teamwork into **different activities**: investigating, creating and presenting.
- Augmenting the **quality of collaboration** through ownership, shared responsibility and decision-making process within groups.



Investigate

discover research



- **Learning by exploring**: students can construct models, test ideas and evaluate the results themselves.
- Promoting students' **problem-solving and critical thinking skills** through inquiry- and project-based learning.
- Encouraging **cross-curricular projects** (analysing and understanding things from multiple perspectives).

Create

imagine explore

- **Learning by creating**: active involvement in producing and creating their own content (exercising imagination and innovating).
- **Interpretation, analysis, teamwork,** and **evaluation** part of creative process
- Developing **learners' soft skills** including presentation, planning, and teamwork.

Present

share listen

- Tools and skills to **present, deliver, and obtain feedback on their work**
- **Communicative dimension** in students' work

- **Developing feedback skills** by involving the listeners as peer-reviewers

Develop

examine plan

- Zone for **informal learning** and **self-reflection**. A more relaxed and less monitored space.
- **Supporting motivation** and **self-expression** through opportunities for personalised learning, for example, with tailored learning activities.
- Encouraging students towards **lifelong learning** by acknowledging and validating informal learning.

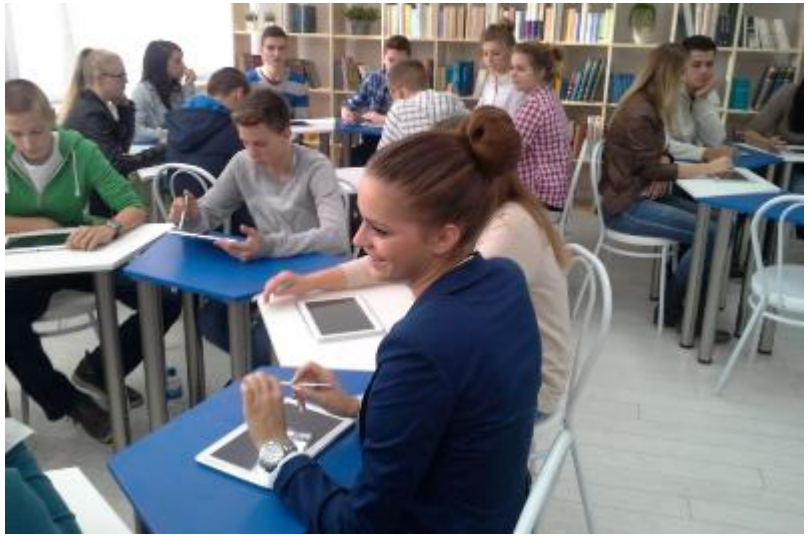
Inspired by FCL: Network of Learning Labs

Ancona, Italy

Nutiklass, Estonia

Setubal, Portugal

Kortrijk, Belgium

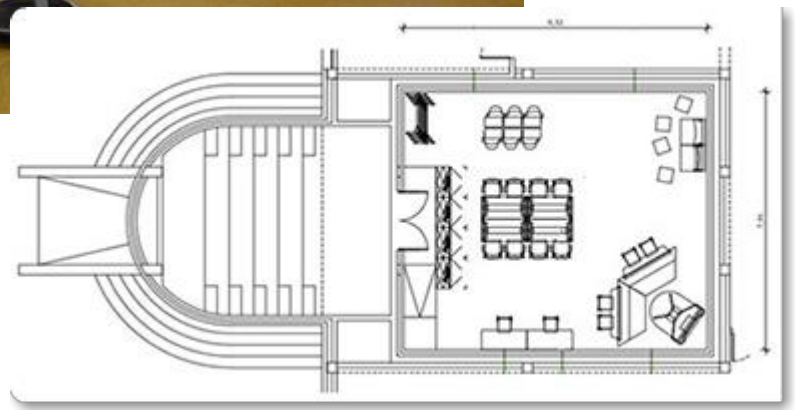


Zagreb, Croatia

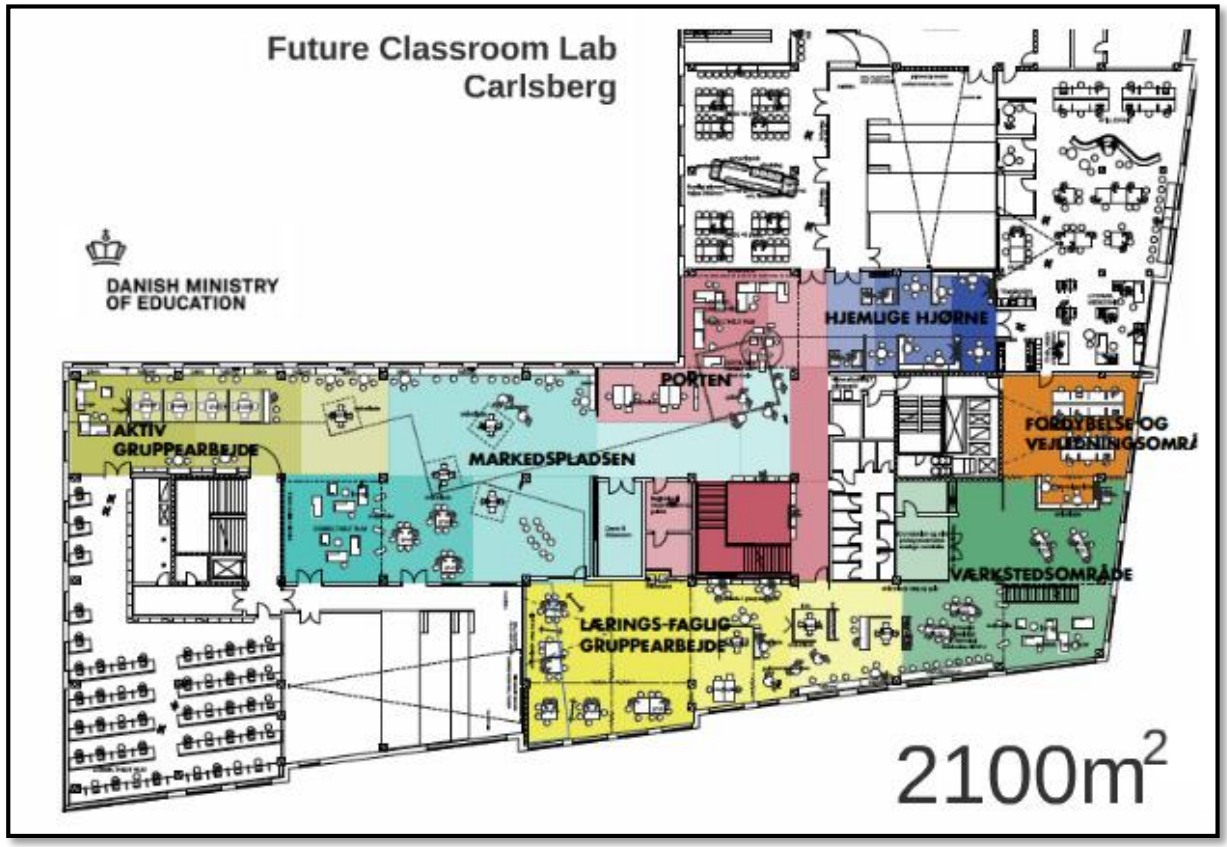
Beta-Sefer. Tel Aviv, Israel

FCL FOR TEACHER EDUCATION

FTE-LAB - FUTURE TEACHER E-DUCATION LAB
UNIVERSITY OF LISBON



COMING SOON: DENMARK - 2016!



https://prezi.com/ny6tsnyeqfvi/future-classroom-lab-carlsberg-2015-english/

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Brainstrom: What to take into account when creating a future classroom?

- **Learning space design, furniture**
- **Dealing with commercial partners**
- **Classroom management and organisation**
- **Maintenance and technical support**
- **Special Needs Education**
- **Assessment**
- **Training and CPD for teachers**
- **Beyond school day and parents**
- **Use of ICT in teaching**
- **The role of teachers & students**

Creating a future classroom – Advice, questions, comments…

Learning space design, furniture

Dealing with comercial partners

Training and CPD for teachers

Use of ICT in teaching

Classroom management and organisation

Maintenance and technical support

Beyond school day and parents

The role of teachers & students

Special Needs Education

Assessment

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FURTHER INFORMATION

Websites and Newsletters:

- Future Classroom Lab newsletter – sign-up here: http://eepurl.com/BnsQP
- European Schoolnet newsletters – sign-up here: www.eun.org/news/newsletters
- Scientix: website and newsletter: www.scientix.eu/
- EUN Academy: www.europeanschoolnetacademy.eu/

Social media:

- Future Classroom Lab Facebook: www.facebook.com/futureclassroomlab
- EUN Facebook: www.facebook.com/european.schoolnet
- EUN Twitter: https://twitter.com/eu_schoolnet
- eTwinning Europe Facebook: www.facebook.com/ETwinningeurope
- European Schoolnet YouTube: www.youtube.com/user/europeanschoolnet
- And many more….

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