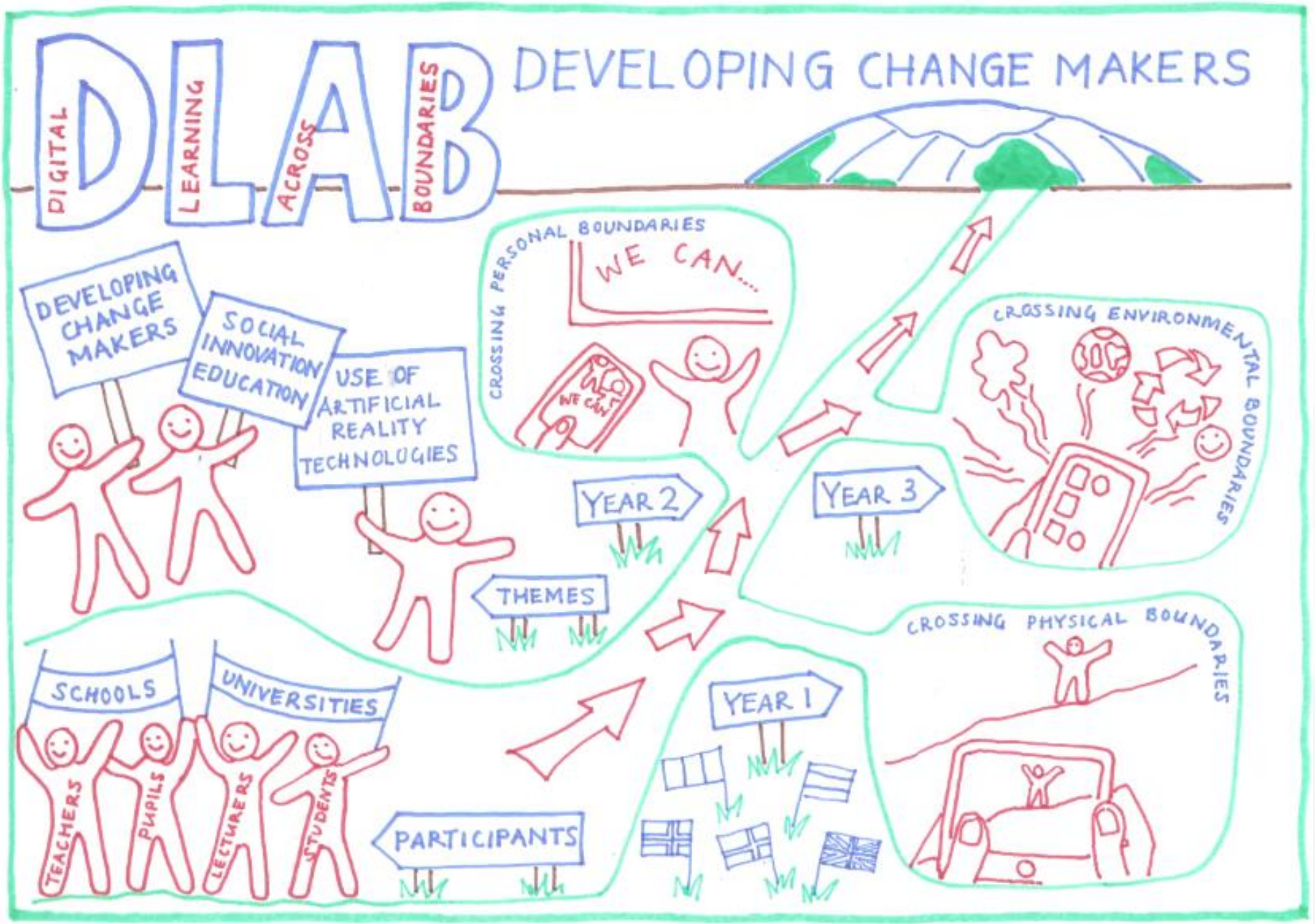
Digital Learning Across Boundaries: Developing Changemakers

Dr Helen Caldwell and Dr Emma Whewell

University of Northampton

England


DLAB
DIGITAL LEARNING ACROSS BOUNDARIES
DEVELOPING CHANGE MAKERS
DEVELOPING CHANGE MAKERS
SOCIAL INNOVATION EDUCATION
USE OF ARTIFICIAL REALITY TECHNOLOGIES
CROSSING PERSONAL BOUNDARIES
WE CAN...
WE CAN!
CROSSING ENVIRONMENTAL BOUNDARIES
YEAR 2
YEAR 3
THEMES
SCHOOLS
UNIVERSITIES
TEACHERS
PUPILS
LECTURERS
STUDENTS
YEAR 1
CROSSING PHYSICAL BOUNDARIES
PARTICIPANTS

Project overview

DLAB2 is inspired by the changemaker movement, which seeks to build the skills and attributes for individuals to find innovative solutions to society's challenges.

Two key themes are **developing changemakers** and **social innovation education**.

A third theme is the use of innovative digital learning environments including virtual and artificial reality technologies to blend physical and digital learning environments and provide powerful opportunities for international collaboration.

In this way, the project brings together two aspects of the maker movement: **digital making** and **change making**.

Activities

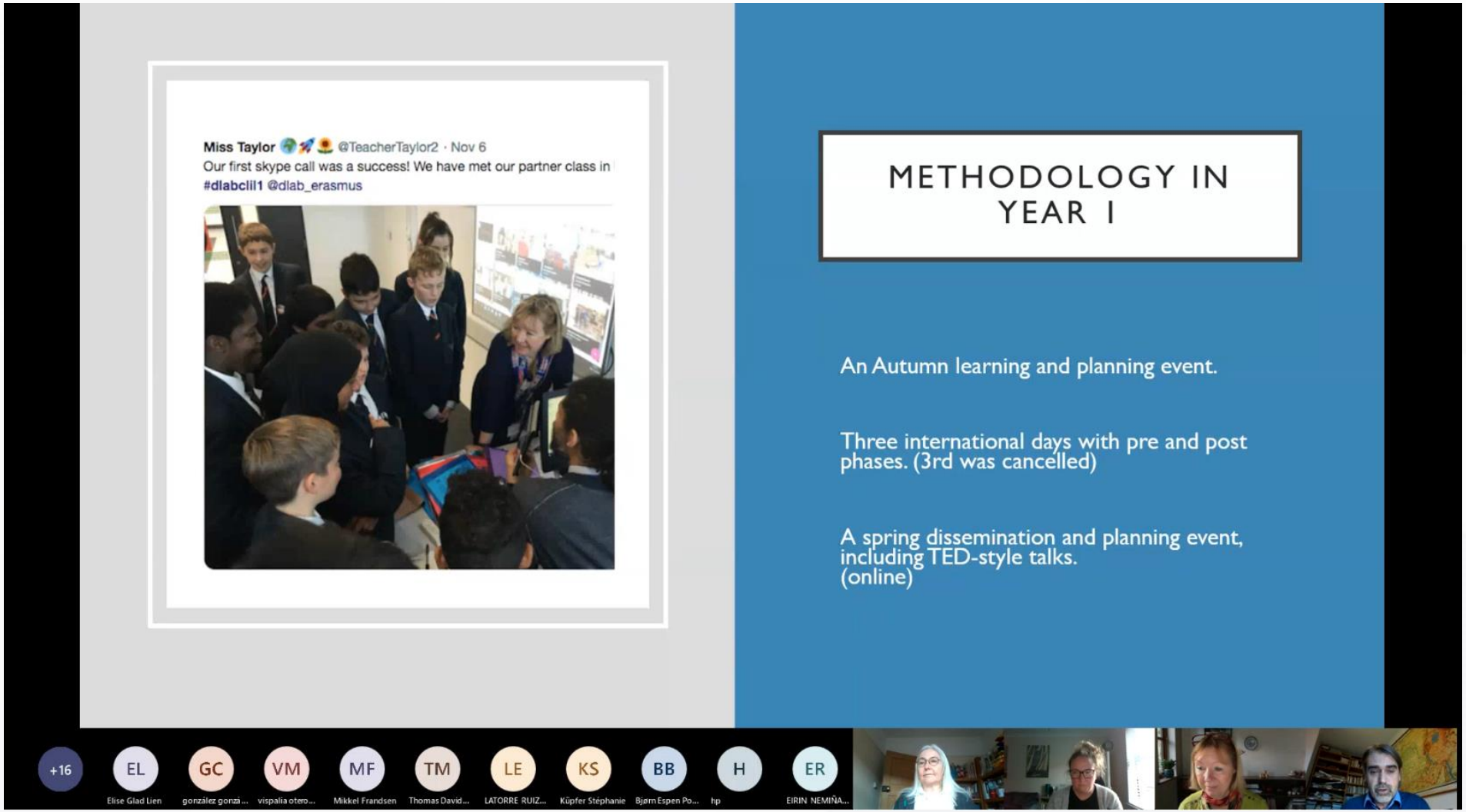
Over three years we adopt three types of 'learning across boundaries' challenges.

1. Crossing physical boundaries (what my body can do): learning through physical experiences (skills).

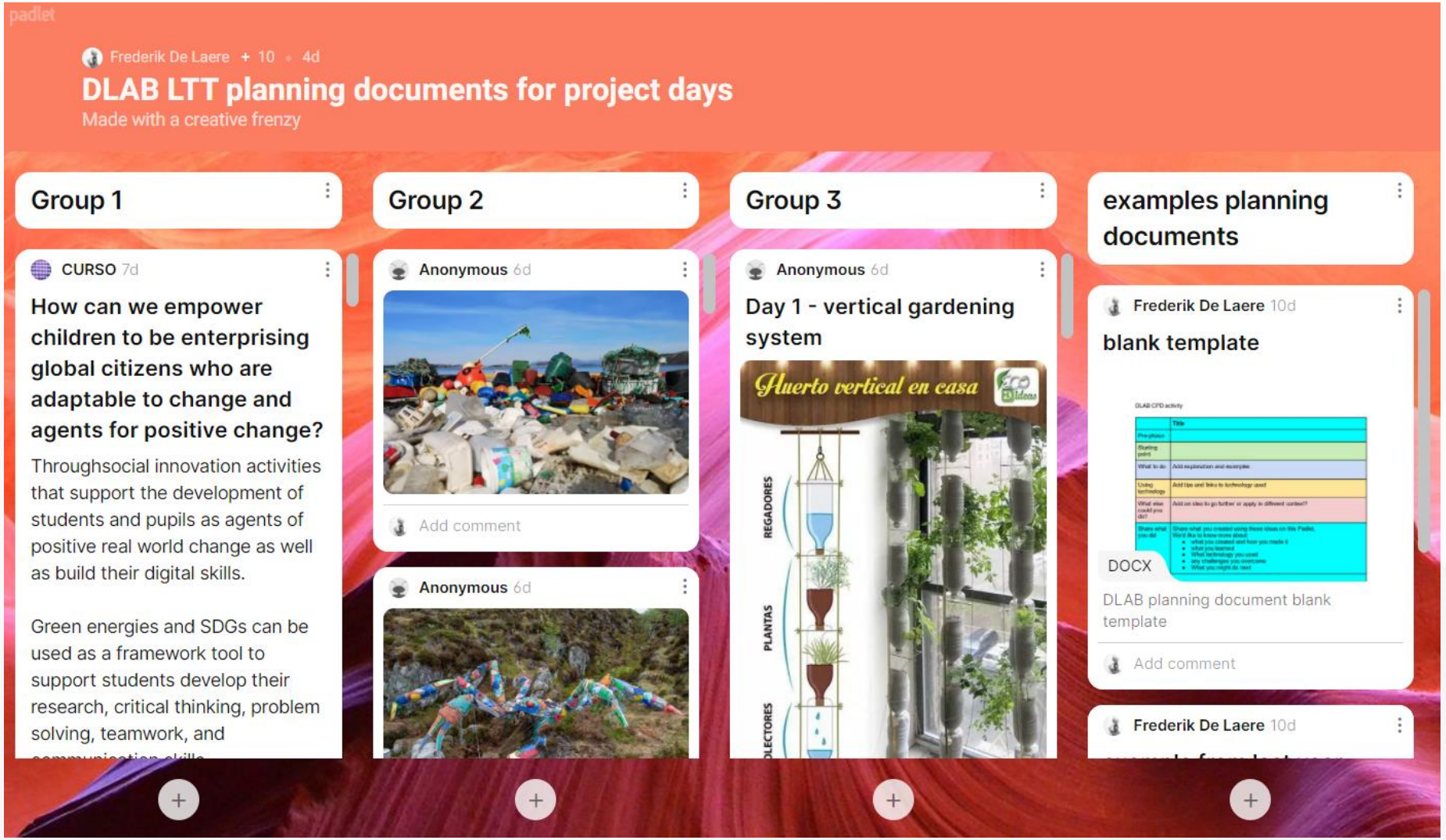
2. Crossing personal boundaries (my aspirations and confidence): learning through performance, public speaking, or gaining new skills (attitudes).

3. Crossing environmental boundaries (what we can do about the environment / developing a green curriculum based on the SDG's for sustainable environments)

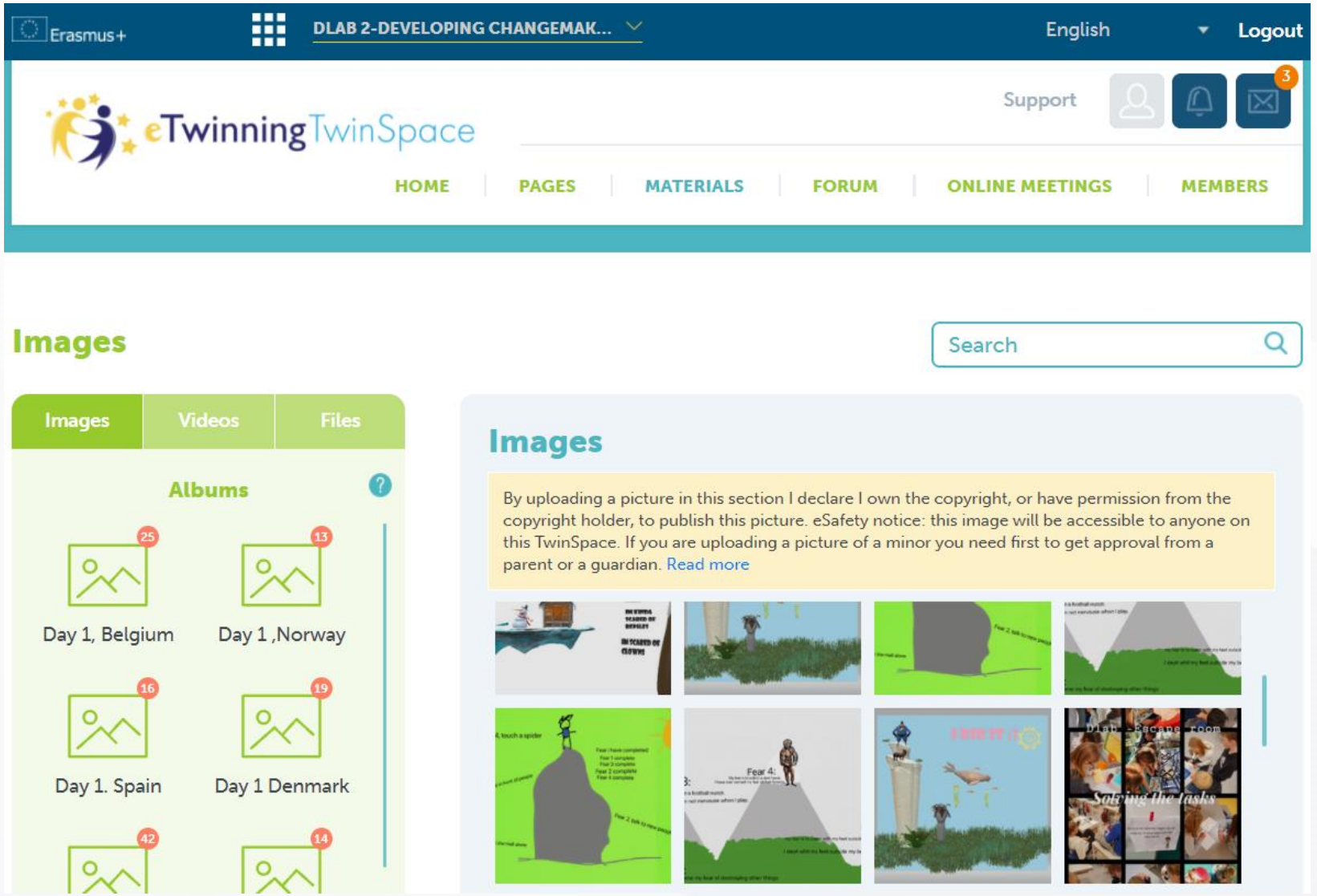
Online collaboration



Padlets


padlet
Frederik De Laere + 10 · 4d
DLAB LTT planning documents for project days
Made with a creative frenzy
Group 1
CURSO 7d
How can we empower children to be enterprising global citizens who are adaptable to change and agents for positive change?
Throughsocial innovation activities that support the development of students and pupils as agents of positive real world change as well as build their digital skills.
Green energies and SDGs can be used as a framework tool to support students develop their research, critical thinking, problem solving, teamwork, and
Group 2
Anonymous 6d
Add comment
Anonymous 6d
Group 3
Anonymous 6d
Day 1 - vertical gardening system
Huerto vertical en casa
REGADORES
PLANTAS
examples planning documents
Frederik De Laere 10d
blank template
DOCX
DLAB planning document blank template
Add comment
Frederik De Laere 10d

eTwinning


Erasmus+
DLAB 2-DEVELOPING CHANGEMAK...
English
Logout
eTwinningTwinSpace
Support
HOME
PAGES
MATERIALS
FORUM
ONLINE MEETINGS
MEMBERS
Images
Search
Images
Videos
Files
Albums
Day 1, Belgium
Day 1 ,Norway
Day 1. Spain
Day 1 Denmark
Images
By uploading a picture in this section I declare I own the copyright, or have permission from the copyright holder, to publish this picture. eSafety notice: this image will be accessible to anyone on this TwinSpace. If you are uploading a picture of a minor you need first to get approval from a parent or a guardian. Read more

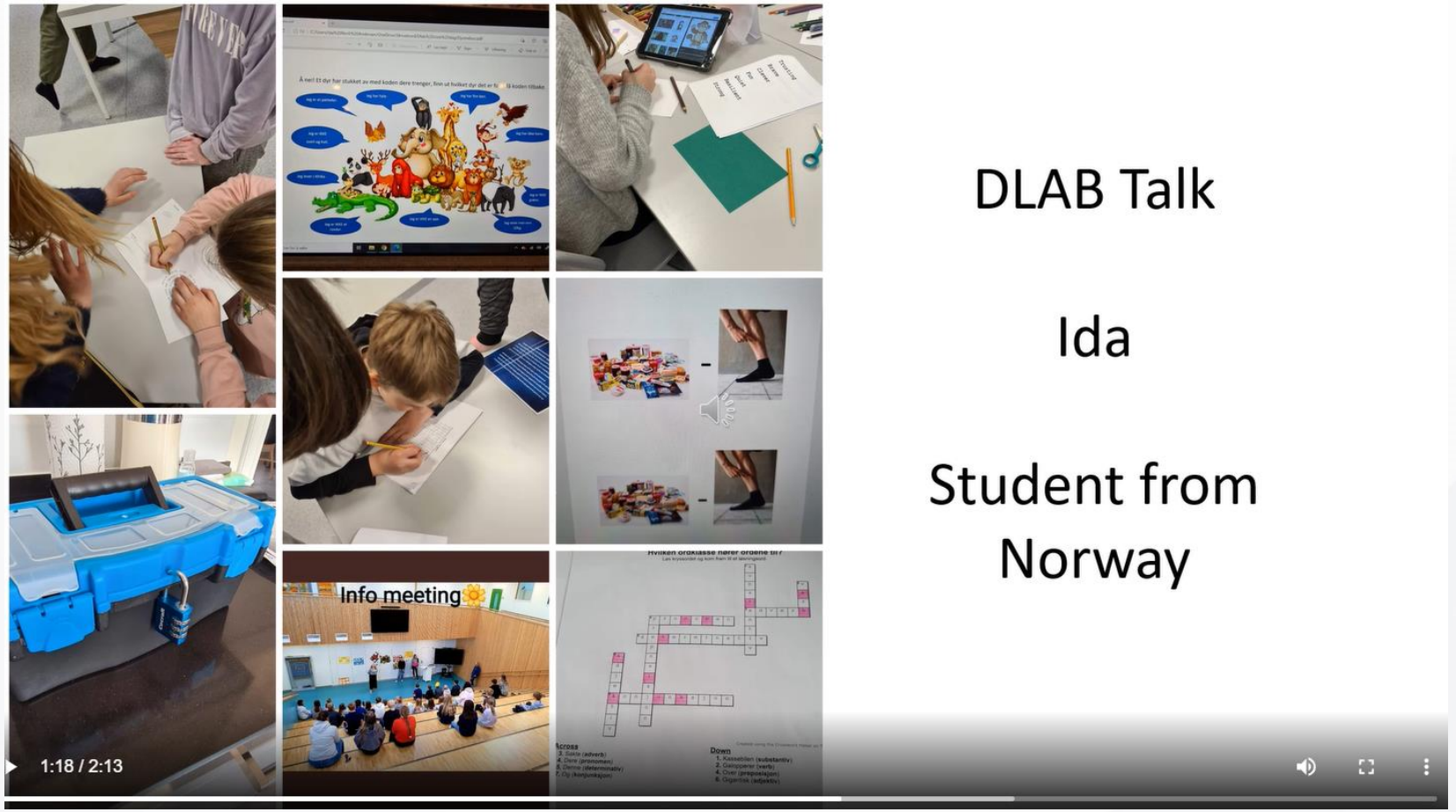
Twitter - Tweetbeam

MS Teams meetings on project days

Team Denmark-UK working remotely

Reflections

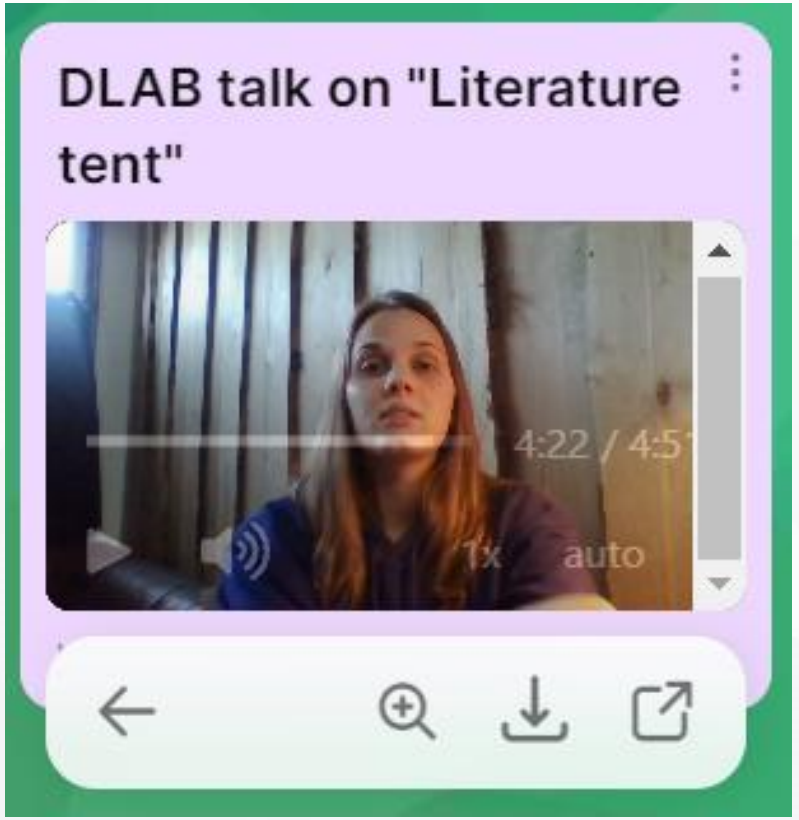
DLAB talks by teacher trainee students on YouTube



DLAB Talk

Ida

Student from Norway



Pupils' reflections on padlet

Opmerking toevoegen

Belgium Pupil 2

I enjoyed doing our fears in a creative form. We also had to work with vr glasses which was also really fun. When we had to call Spain/Norway it was difficult because sometimes we did not understand them and then we could not answer. Otherwise it was really fun.I also liked this dlab day more than the other day.

Opmerking toevoegen

Spain st

It was great to know you,and thanks a lot for the opportunity given to us.

Opmerking toevoegen

Spain st

It was great!!!

Opmerking toevoegen

Belgium Pupil 2

I really enjoyed getting creative about our fears. It was also really fun to work with the VR goggles. Calling the class in Spain was a little difficult though.

Opmerking toevoegen

Sun

the temperature at the very center of the Sun is about **27 million degrees Farenheit**(F). The temperature cools down through the radiative and **convective** layers that make up the Sun's core.

Opmerking toevoegen

Opmerking toevoegen

Belguim pupil D2

It was really fun today. the VR that we did and making the art of fears was a fantastic moment.I had a good time

Opmerking toevoegen

Spain student

We spent a very fantastic moment being in touch with you,talking in our respective languages,and also sharing our particularities.It was a proof of how to break boundaries at any moment. Thank you!!!

Opmerking toevoegen

Spain st

I had a very fun moment with you ,because it´s a very interesting moment to meet foreign students,and interact with them.

Opmerking toevoegen

was a very nice day for us.

Opmerking toevoegen

Belgian pupil day 2

I was a little bit nervous for the video But I really liked today.

Opmerking toevoegen

Spain student

It was great,although I was a litlle nervous at the beginning..but once time went by,I felt very comfortable with the expierence,that helped me to cross boundaries.
Thanks a lot for the great effort at drawings....

Opmerking toevoegen

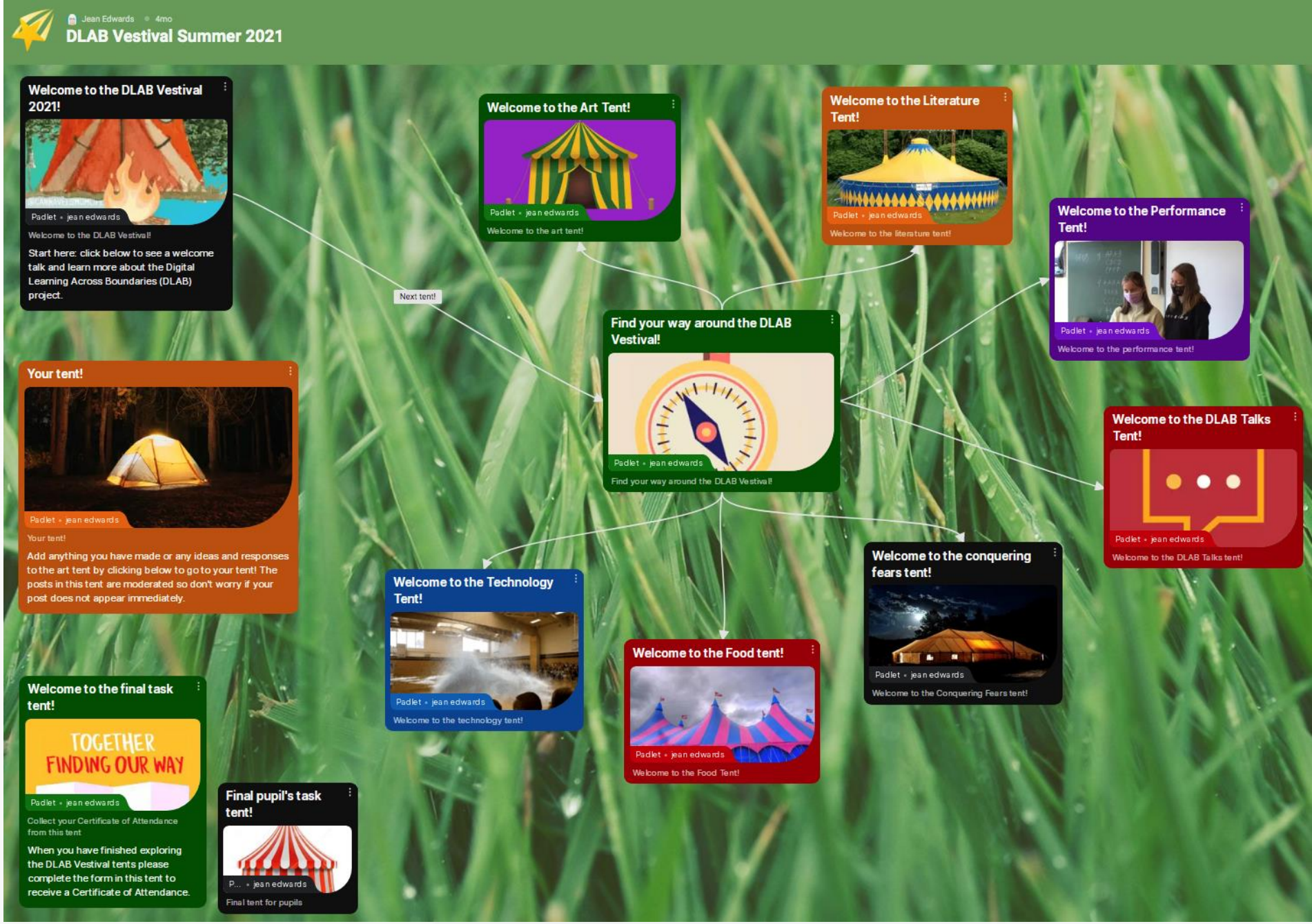
Spain student

I really hd a very fun time talking to you..Hope to repeat it as soon as possible

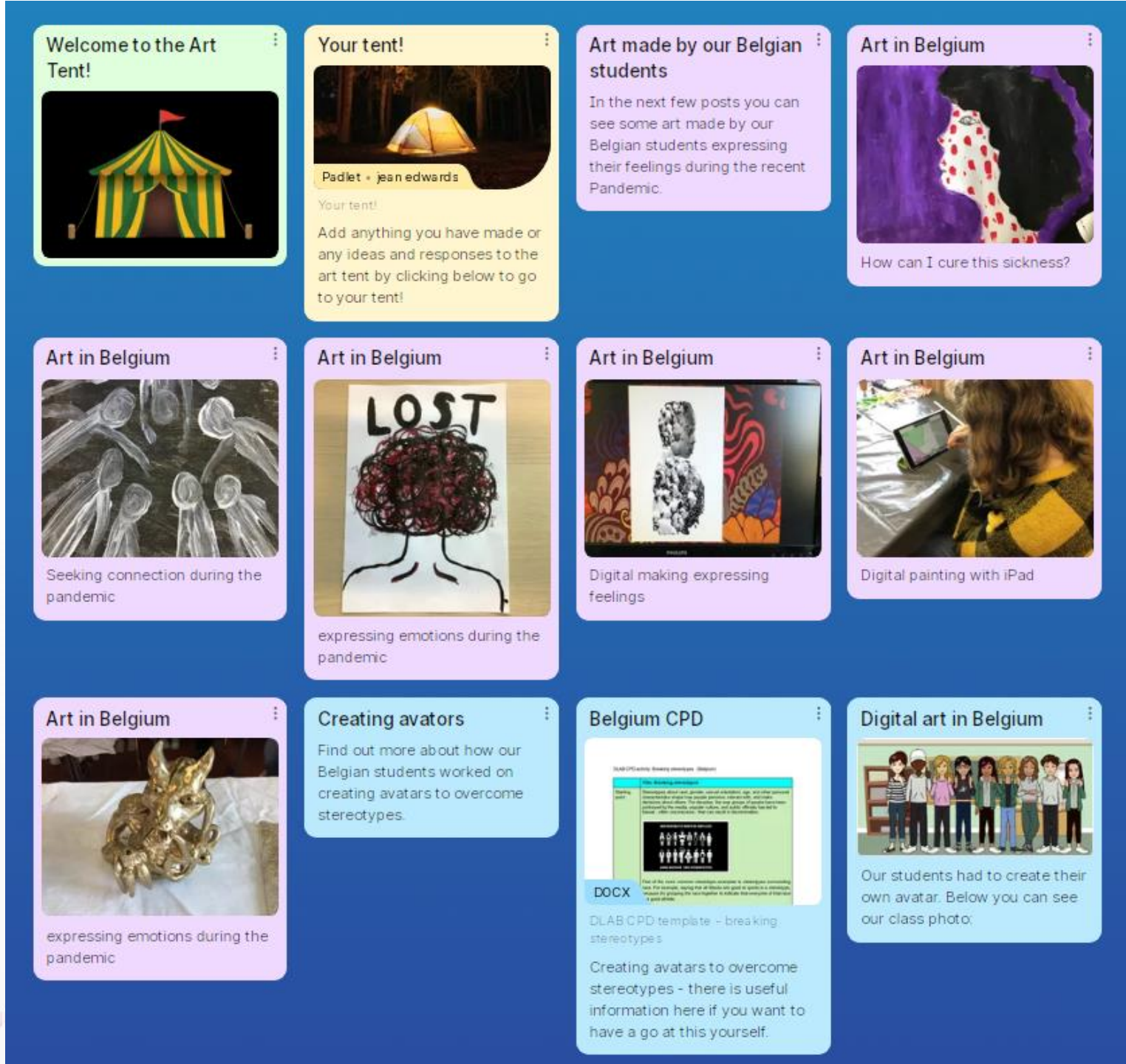
Vestival

https://uon1.padlet.org/jean_edwards/DLABVestival21

https://mypad.northampton.ac.uk/dlaberasmus



Art tent


Welcome to the Art Tent!
Your tent!
Padlet • jean edwards
Your tent!
Add anything you have made or any ideas and responses to the art tent by clicking below to go to your tent!
Art made by our Belgian students
In the next few posts you can see some art made by our Belgian students expressing their feelings during the recent Pandemic.
Art in Belgium
How can I cure this sickness?
Art in Belgium
Seeking connection during the pandemic
Art in Belgium
LOST
expressing emotions during the pandemic
Art in Belgium
Digital making expressing feelings
Art in Belgium
Digital painting with iPad
Art in Belgium
expressing emotions during the pandemic
Creating avators
Find out more about how our Belgian students worked on creating avatars to overcome stereotypes.
Belgium CPD
DOCX
DLAB CPD template - breaking stereotypes
Creating avatars to overcome stereotypes - there is useful information here if you want to have a go at this yourself.
Digital art in Belgium
Our students had to create their own avatar. Below you can see our class photo:

Literature tent

Welcome to the Literature Tent!

Your tent!

P... • jean edwards

Your tent!

Add anything you have made or any ideas and responses to the art tent by clicking below to go to your tent!

DLAB CPD bringing literature to life

DOCX

DLAB Litterature

In this activity pupils presented and re-enacted scenes from their favourite stories. They filmed each other doing this and shared what they had done. You can find out more about this below, if you would like to have a go yourself.

Exploring literature from Denmark

Pa... • henriette hansen

Dlab - literature

Here are some examples of the video children made!

CPD Danish Children

google docs

literature

My poetic reflection on DLAB this year:

Glowing lights

We found ourselves in times of trouble
and from the rubble
we created things of joy, things of beauty
in our bubble
and virtually exchanged
our inner spaces filled with treasures.

We went for a hunt within
and discovered the figures and measures
of our hopes, broke free and gave expression
to our passion, our talents, our feelings
in the arts.

We pictured ourselves with animal strength cards
and painted what we'd learned from one another
on the canvas of our lives,
overcoming stereotypes we behaved
as sisters and brothers.

© Frederik Lucien De Laere

Back to the Vestival!

P... • jean edwards

DLAB Vestival Summer 2021

Stories about overcoming fears and challenges.

Padlet • jean edwards

Stories about overcoming challenges

A padlet of stories about overcoming fears and challenges. These can be used to start discussion and as a model for writing our own stories.

Performance tent

Welcome to the Performance Tent!

Your tent!

P... • jean edwards

Your tent!

Add anything you have made or any ideas and responses to the art tent by clicking below to go to your tent!

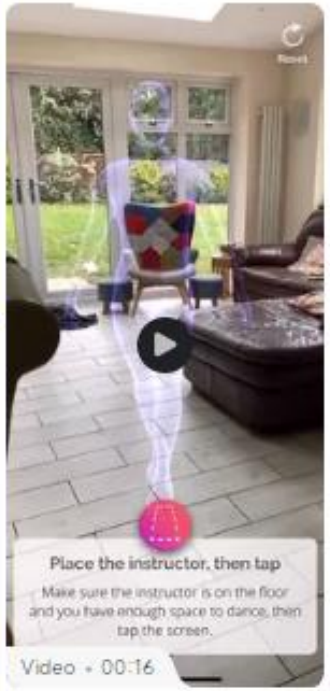
Learn to Dance with an AR instructor

DOCX

Learn to Dance with AR

Learning to dance can be a personal challenge to overcome - click below for an activity to help with this and also please see intro the videos...

Setting up your AR dance instructor



Video • 00:16

Basic salsa

Video • 00:48

DLAB Talks tent

Welcome to the DLAB Talks tent!

Hear more from our student participants!

Your tent!

Your tent!

Add anything you have made or any ideas and responses to the art tent by clicking below to go to your tent!

Martin and Carlos

DLABTalk_Martin_&_Carlos

DLAB talk on "Literature tent"

WIN_20210523_21_07_26_Pro

DLAB talk pupils Middle School Bruges

DLAB reflection pupils Middle School Bruges 2

DLAB talk pupils Middle School Bruges

DLAB reflection pupils Middle School Bruges 1

Paula- DLAB Talk (Spain)

nubeusc-my.sharepoint....

Sign in to your account

DLAB talk Ida

Mikkel - DLAB Talk

DLAB Talks - Mikkel Frandsen

Thomas - DLAB Talk (Denmark)

https://youtu.be/YvVifW7F1UA

Wout, Szymon, Michiel - DLAB Talk (Belgium)

Bellen met Aneca en 1 andere-20210507_165416-Opname van vergadering

Mikkel and Thomas DLAB VLOG

Student Teachers - Denmark

https://youtu.be/E28btAZh3XM

Conquering fears tent

Welcome to the Conquering Fears Tent!

In this tent you can can find out more about overcoming fears!

Your tent!

Your tent!

Add anything you have made or any ideas and responses to the art tent by clicking below to go to your tent!

Trust Blind Trail, Group 1, Spetalen Norway

Trust-Blind trail group 1 Spetalen school Norway

Do we really trust each other? Try this exercise!

Escape Room, Group 3, Spetalen , Norway

Escape room Group 3 norway

This activity explores collaboration and working as a team to overcome challenges! Click below to find out how to have a go at this yourself.

Fear Challenge, MS Brugge, Belgium

The challenge was to hold (or touch) the snake for 15 seconds. This was very exciting!

Fear challenge: Belgium

Not just pupils are breaking personal boundaries, also lecturers cross the border...

Scary Spiders

scary spiders- conquer your fear

You can begin to overcome this fear using Augmented Reality. Find out more here!

Reflecting & Learning on COVID TIMES

Breaking Personal Boundaries (1).docx

Ideas submitted by the Spanish team on the theme of breaking personal boundaries.

Contacts

Helen Caldwell
helen.caldwell@northampton.co.uk

Emma Whewell
emma.whewell@northampton.ac.uk

Twitter:
@UONPEemma
@helencaldwel

Journal article:
REALIA: research in education and learning innovation archives journal Vol 7 2021

Digital Learning Across Boundaries: Immersive technologies supporting changemaking in an international context
Emma Whewell, Helen Caldwell, Grant Malloch, Beth Garrett

ABSTRACT
The Digital Learning Across Boundaries: Developing Changemakers (DLAB) project uses immersive technologies in education to explore three challenges across three years: physical, personal and environmental. This paper focuses on the first of these, bringing together the themes of digital making and changemaking to cross physical boundaries by raising awareness about physical inactivity in 11 and 12 year old school pupils. Immersive technologies such as augmented and virtual reality enabled the development of empathy and intercultural understanding among participants, fostered an understanding of changemaking, and created environments for sharing prototype exergames. Research data is analysed to seek evidence of the development of changemaker attributes and impact within a sample group of 60 English school pupils.