



FLIPPED CLASSROOM



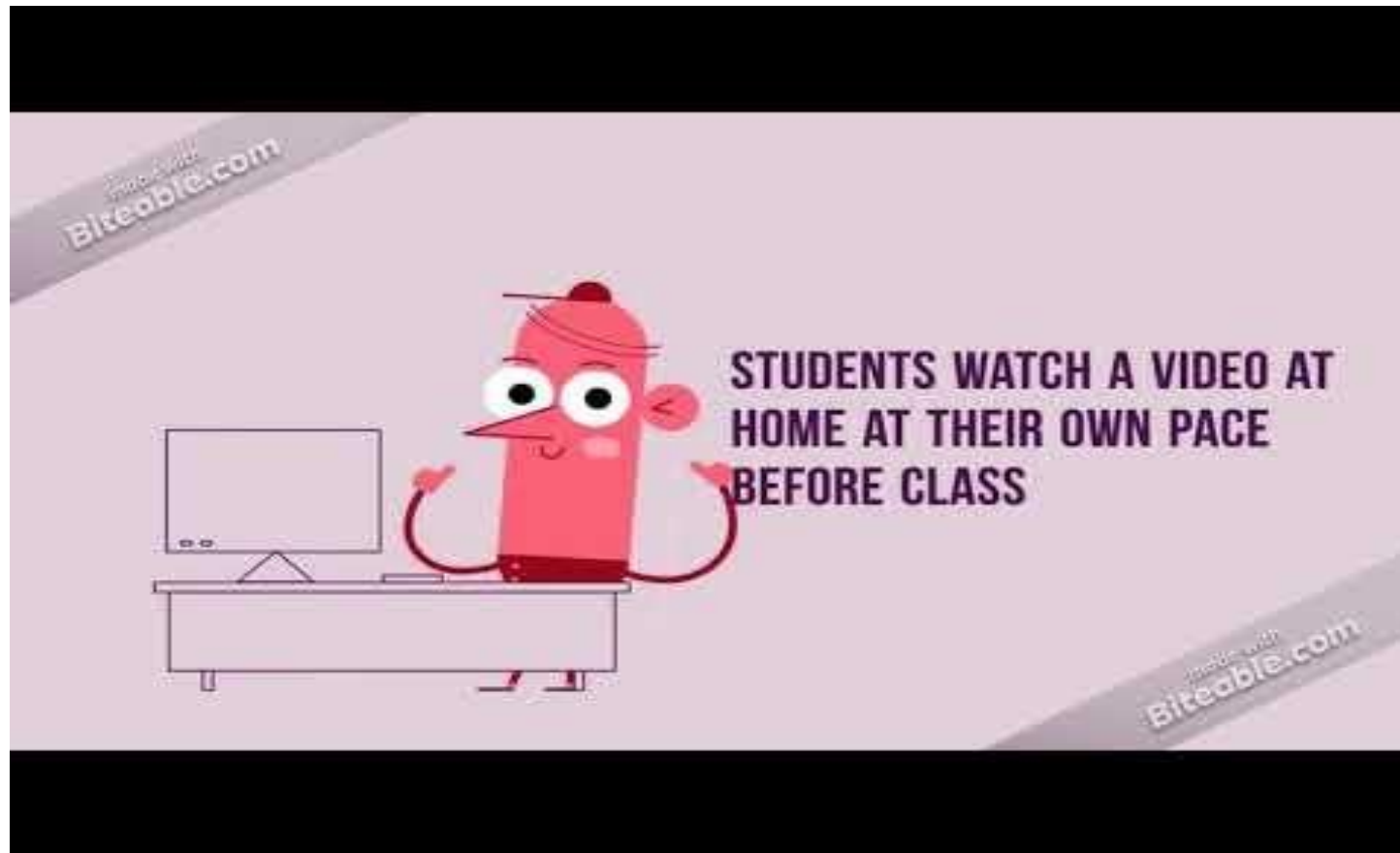
Anita Téringér

21ST CENTURY CHALLENGES

- El aprendizaje necesita cambio, el aprendizaje también ocurre fuera de la escuela.
- Habilidades del siglo XXI
- Resolución de problemas, colaboración, pensamiento crítico
 - Comunicación, creatividad
- Tecnología (solo una herramienta) vs pedagogía
- **El valor del tiempo de clase**



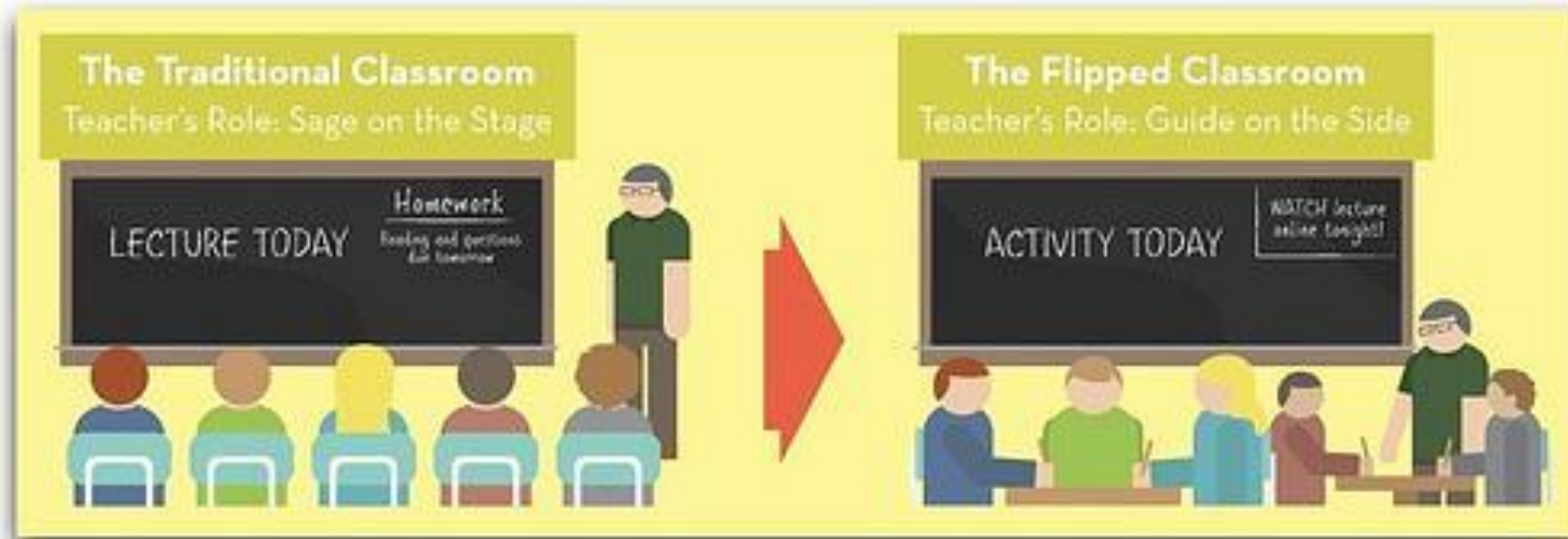
FLIPPED CLASSROOM



Flipped Classroom animation



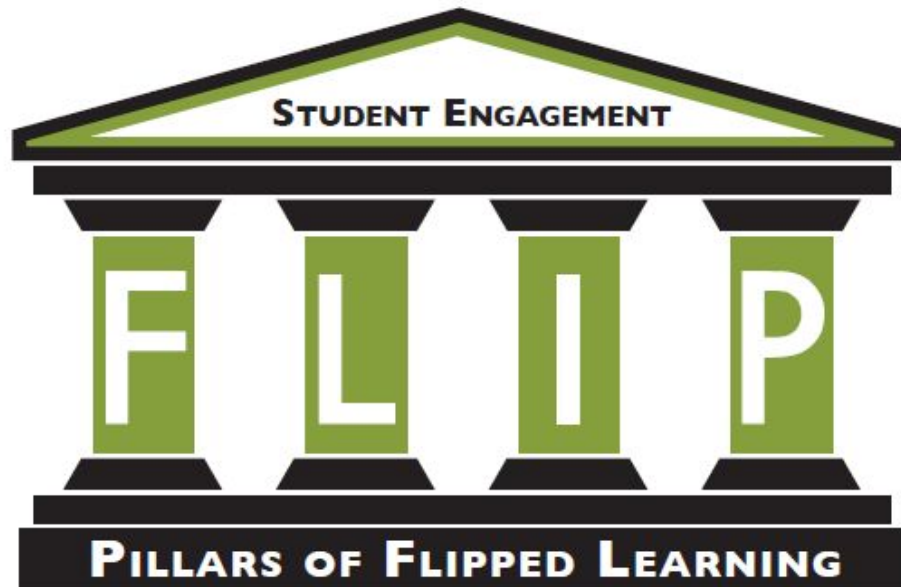
ESPACIO INDIVIDUAL VS DE GRUPO



- Instrucción directa lejos del espacio de grupo
- Tiempo de clase para practicar, habilidades de pensamiento superior



4 PILLARS



(Image from A Review of Flipped Learning)

AMBIENTE FLEXIBLE

CULTURA DEL APRENDIZAJE

CONTENIDO INTENCIONAL

EDUCADORES PROFESIONALES



WHAT'S NEW?

Traditional classroom

- instruction
- remember, understand
- „one size fits all”
- teacher-centered
- teacher = „sage on the stage”
- frustration



What about
homework?

Flipped Classroom

- construction
- apply, analyse, evaluate, create
- customized
- student-centered
- teacher = „guide on the side”
- fun

LEARNING
IS
FUN



BENEFITS FOR STUDENTS

Pre-class

- individual space, own pace
- pausable, rewindable
- less frustration than with homework
- motivating



In class

- active learning, practical experience
- hands-on activities
- higher level thinking skills
- more time for interaction
- differentiation / individualized



CLASS TIME

What is the best use of face-to-face class time?
engagement,
demonstrating understanding in a meaningful way



Student centered, active learning

What to flip?



Assessment

- Teaching without grading – is it possible?
 - Teacher – student /group
 - Students each other or self
 - Communication, cooperation, project, problem solving
- **Goal:** to improve **quality of learning**



EVIDENCES

- More effective learning
- Increased scores
- Improved student attitude

Freedom to ask questions

Feel like an independent learner

No need to sit and struggle with HW

Able to re-watch videos



ASSIGNMENTS OF SELF-LEARNING MOD. 1

- Interest in the **practical application** of the method
- **Positive messages:**
 - „Students help me learn” – role change
 - Rewarding, students thank the teacher for doing it differently
 - Both teacher and students liked teacher filming himself during lockdown



DIFFICULTIES AS TEACHERS SEE

- **Motivation**

- How to motivate, how to create interesting lessons, still reaching objectives
- Rewarding, students thank the teacher for doing it differently
- Both teacher and students liked teacher filming himself during lessons



- **Time**

- Lack of time (teaching time as well as time to create videos), workload

- **Resources**

- Lack of equipment
- Lack of institutional support



DIFFICULTIES - CONTINUED

- **Digital competences**

- Not having the knowledge to make/edit videos
- Hard to catch up

- **Methodology**

- How to implement ideas
- Assessment, evaluation of groupwork
- Hard to change own methodology
- Lesson planning is a must now
- Selecting key activities to improve higher order thinking skills



DIFFICULTIES - CONTINUED

- **Other problems**

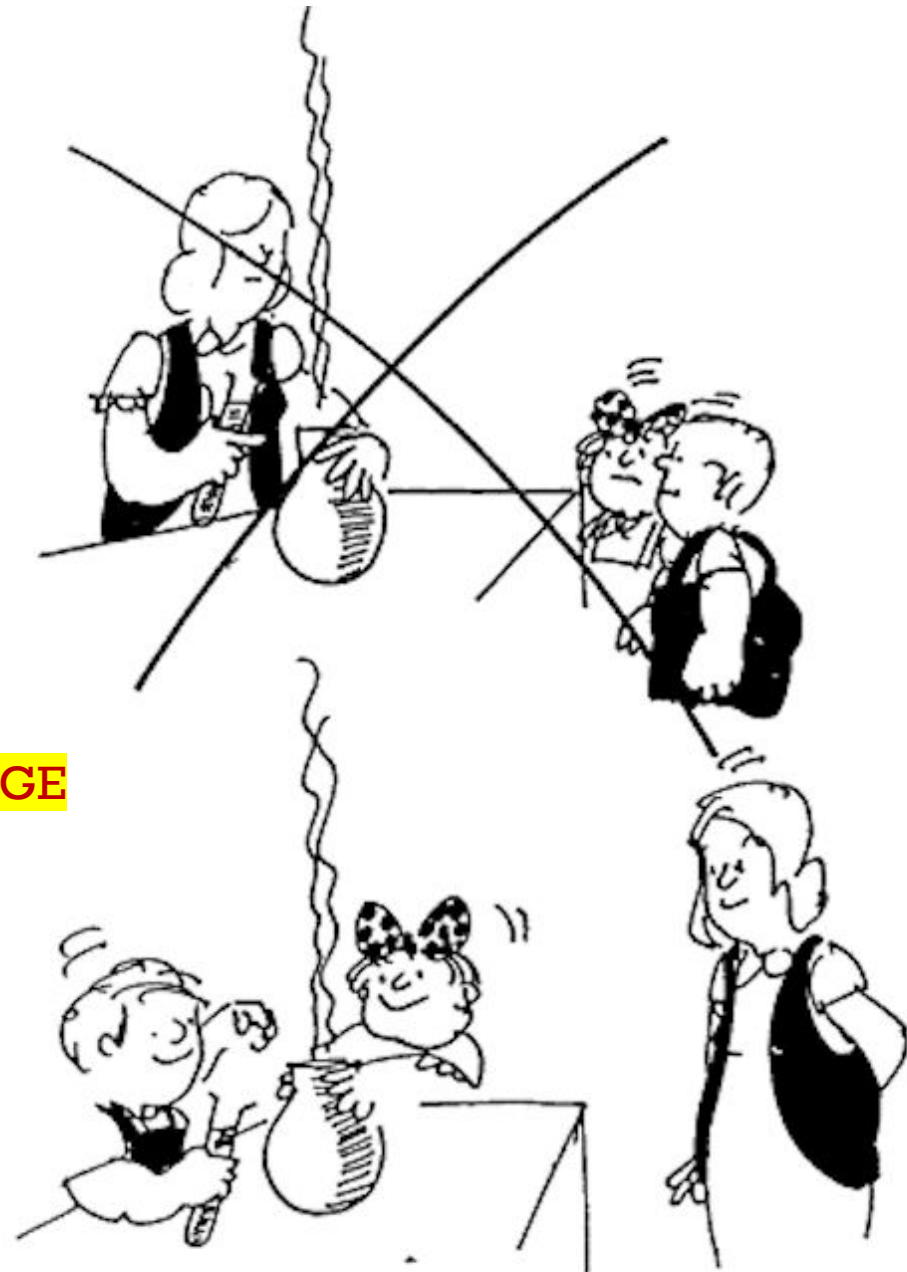
- Students do not watch the video pre-class
- Learners do not understand the importance of trying new learning methods
- Innovation for students – they would prefer the known paths (they know what the teacher wants)



RECOMMENDA



**ROLE
CHANGE**



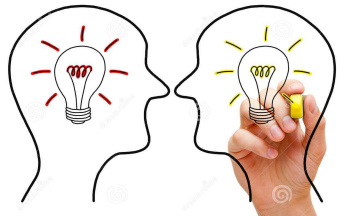
WHAT'S NEXT?

- Prepare pre-class content (video animation)
- Develop an attitude, tools always change
- Examples of digital content created by VET teachers
- Step-by-step guides to selected tools for content creation
- Tips for seamless implementation, based on experiences of former flipped classes
- **LATER:**
 - Materials for the classroom – digital tools
 - Lesson planning and evaluation
 - Deliver pilot lessons
- Remember: there is not ONE way
- Self-reflection, improvement



OPEN EDUCATIONAL RESOURCES

- Can be used, distributed, modified legally (license)
- Technically it can be modified (can be opened, modified, saved)
- It is available (freely accessible, traceable)



<https://creativecommons.org/>



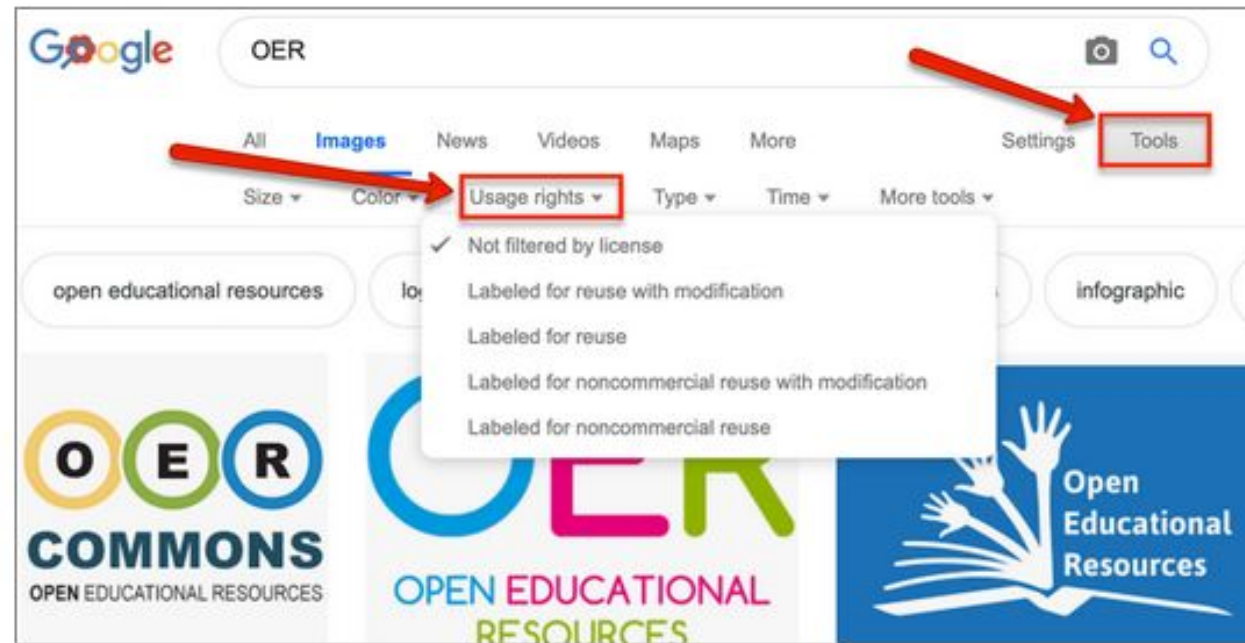
SEARCH ENGINES



CREATIVECOMMONS SEARCH



<https://search.creativecommons.org/>



DIRECTORIES, REPOSITORIES

- Directory: database
- Repository: resource „warehouse”

- Learning Resource Exchange: <http://lreforschools.eun.org/>
- OER Commons: <https://www.oercommons.org>
- OpenLearn: www.open.edu/openlearn/
- TED ED: <https://ed.ted.com>



DIGITAL CONTENT CREATION

- Video animations
- Mindmaps
- Infographics
- Digital bookmark
- Timeline
- Quiz makers
- Online questionnaires


- PRE-CLASS
- IN CLASS



Piktochart
make information beautiful



H5P

- Fórum
-  Interaktív tartalom
- Külső eszköz
- Lecke
- Műhelymunka
- SCORM-csomag










H5P_{hub} Select content type

Create Content Upload Paste

Search for Content Types

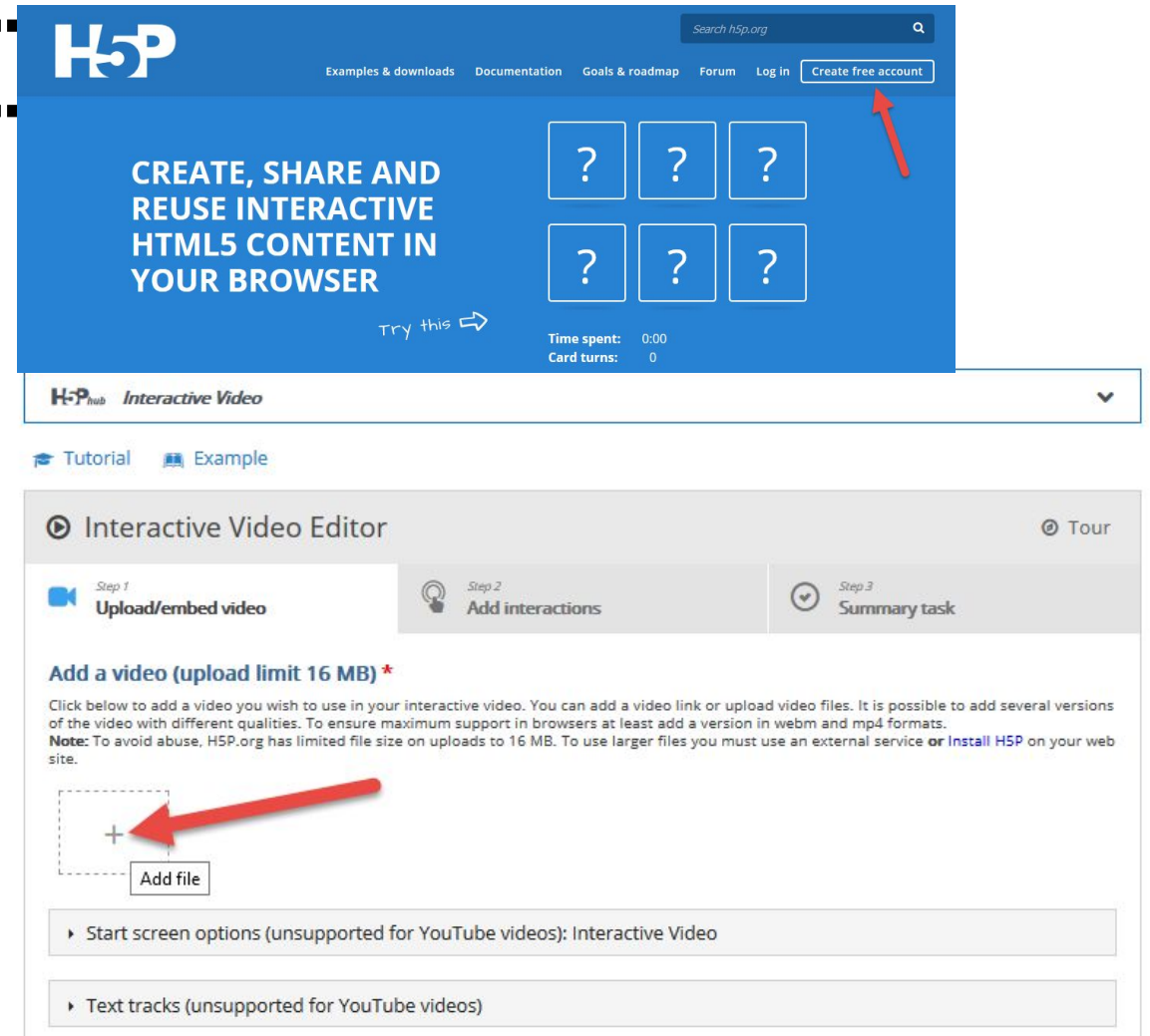
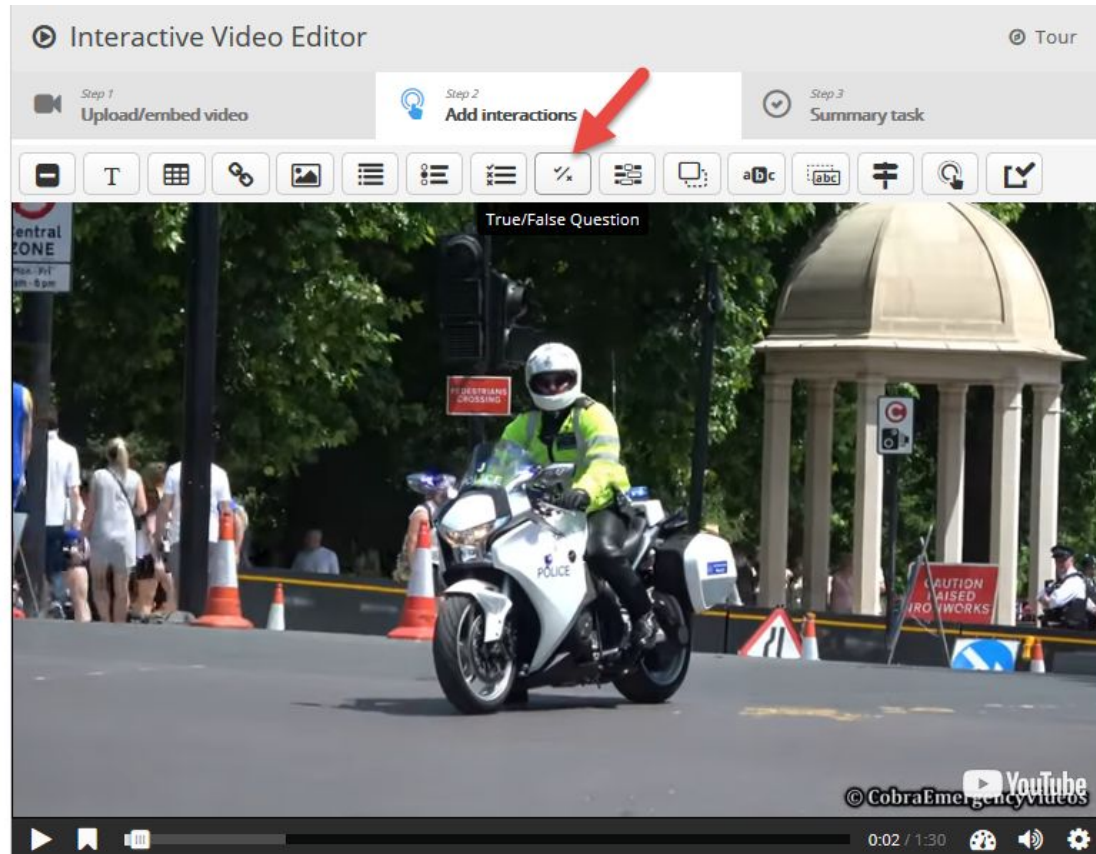
All Content Types (45 results)

Show: **Popular First** Newest First A to Z

	Interactive Video Create videos enriched with interactions	 Update available	Details
	Course Presentation Create a presentation with interactive slides	 Update available	Details
	Multiple Choice Create flexible multiple choice questions	 Update available	Details
	Quiz (Question Set) Create a sequence of various question types		↓ Get
	Fill in the Blanks Create a task with missing words in a text	 Update available	Details

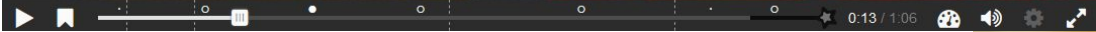
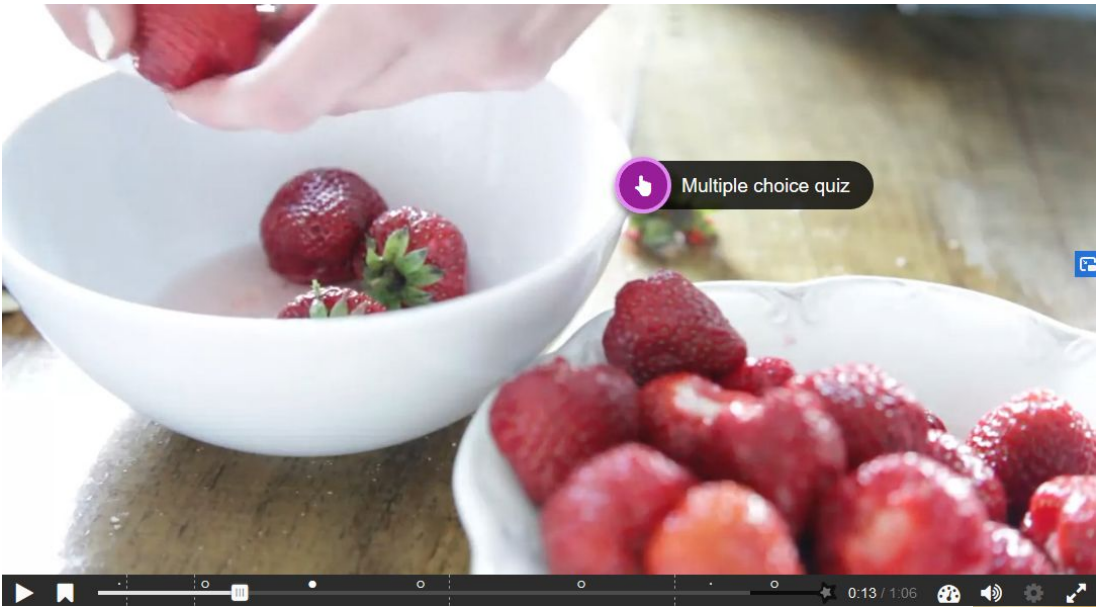


INTERACTIVE VIDEO



<https://h5p.com/>





Highlight the ingredients that have been added so far.


Strawberries ⁺¹ Cookies Blueberries ⁺¹ Milk

You got 2 of 2 blanks correct.

Continue

Video player controls for the second frame, showing a progress bar at 0:20 / 1:06 and various icons for play, volume, and settings.

SCREEN VIDEO

SCREENCAST  MATIC Education Work Personal Product Pricing

Log In

Sign Up, It's Free

Screen Recorder

With our free and easy-to-use screen recorder, you can capture any area of your screen with the option to add narration from your microphone and video from your webcam. Sharing your ideas has never been easier!

Available on  Windows,  Mac & iOS,  Android, &  Chromebook

Launch Free Recorder

UPGRADE Recorder

 US - English 



easy-to-use screen recorder, you can capture any

with the

ded from

dows, Apple

Recorder

Record

Screen Webcam Both

Max Time 00:15:00

Size 1206 x 778

Narration

Computer Audio

Preferences...

Rec Settings Cancel

The screenshot shows a screen recording application in use. The background is a blue interface with a periodic table of elements and a video feed of a man in a light blue shirt. A 'Record' menu is open, showing options for 'Screen', 'Webcam', and 'Both'. The 'Max Time' is set to 'None', 'Size' is '720p', 'Narration' is on, and 'Computer Audio' is off. A 'Preferences...' button is at the bottom of the menu. At the bottom of the screen, there is a 'Rec' button, a settings gear, and a 'Cancel' button.



GENIAL.LY

The screenshot displays the Genially web application interface. On the left is a sidebar with the Genially logo and navigation options: 'CREATE GENIALLY', 'My creations', 'My brand', and 'Inspiration'. The main area features a search bar, a menu icon, and a 'UPGRADE TO PREMIUM' button. The user profile 'teringeran@gmail.com' is shown with a 'Plan Free' status, indicated by a red arrow. Below the navigation is a 'Folders' section with 'Create folder' and 'Recycle Bin' options. The main content area shows a grid of presentation drafts: a 'Create genially' button, a 'Flipped Classroom Content Creation' draft, and a 'Reacti-VET Diákkurzus (kísérletek)' draft.

genially

Search for creations

All

UPGRADE TO PREMIUM

teringeran@gmail.com
Plan Free

CREATE GENIALLY

My creations

My brand

Inspiration

Folders

Create folder

Recycle Bin

Create genially

Flipped Classroom
Content Creation

Where to find re-usable content?
How to create our own videos?

Draft

Digital Content Creation

Presentation 2020. 09. 25.

Reacti-VET
Diákkurzus (kísérletek)

Draft

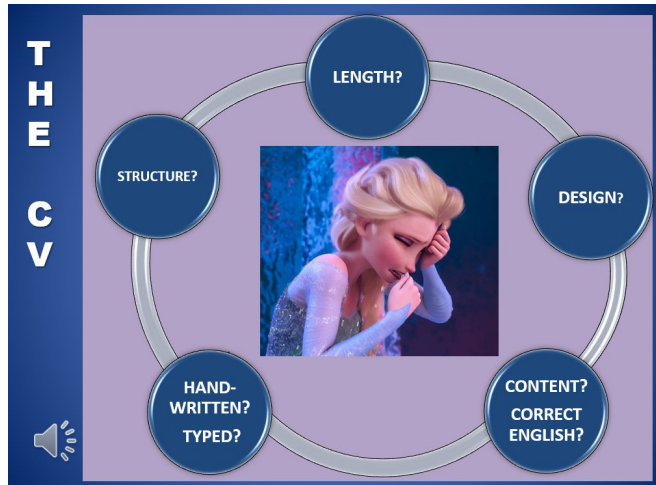
Reacti-VET

Presentation 2020. 09. 17.



EXAMPLES – FIRST VIDEOS OF TEACHERS

- <https://goo.gl/q86XZy> – English; How to write a CV and a Cover Letter (New knowledge)
- <https://youtu.be/0gAg2sKdpL8> - English; Conditionals (Re-cap)



SHARING/PUBLISHING CONTENT

- Use built-in sharing service of the application
- Upload video to YouTube



- Share on own platform – virtual learning environment (MS Teams, Google Classroom, Moodle, etc.)



WE'LL CONTINUE... – WITH GENIAL.LY

gracias

grazie

dzięki

thanks

hvala

köszönöm

<https://view.genial.ly/5f6c713bf902780d10c9ee98>

