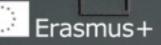
P. PORTO



INTER NETWORKING Seminar

MÁRIO CRUZ

ASSOCIATE PROFESSOR, POLYTECHNIC OF PORTO - SCHOOL OF EDUCATION RESEARCHER, INED - CENTRE FOR RESEARCH AND INNOVATION IN EDUCATION HEAD OF THE INTERNATIONAL RELATIONS OFFICE

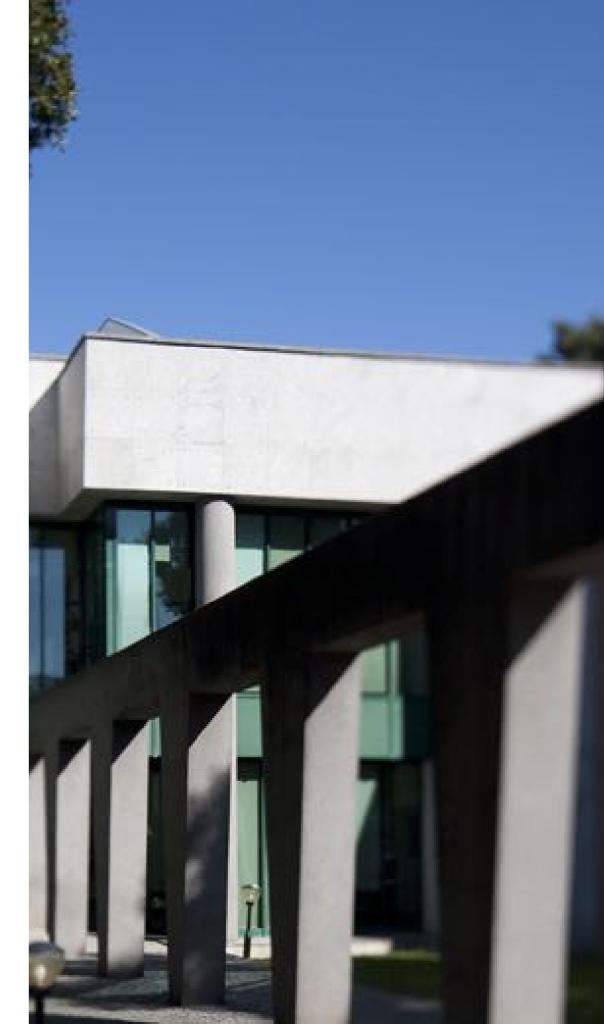
MARIOCRUZ@ESE.IPP.PT

21ST CENTURY LEARNING: RETHINKING SCHOOL



P.PORTO

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P.PORTO

PRESENTATION

P.PORTO is a collective and cohesive identity, committed to the plurality of its educational offer, which aims at training independent citizens. P.PORTO Schools are the physical space where our mission is accomplished and where our values are reasserted.

The Schools constitute the dynamic axis of an open, challenging and multicultural community and turn a complex of modern labs and equipment into living entities.

We are the 4th largest educational institution at national level, and 4th in terms of students' first choice.





62 Master

degrees





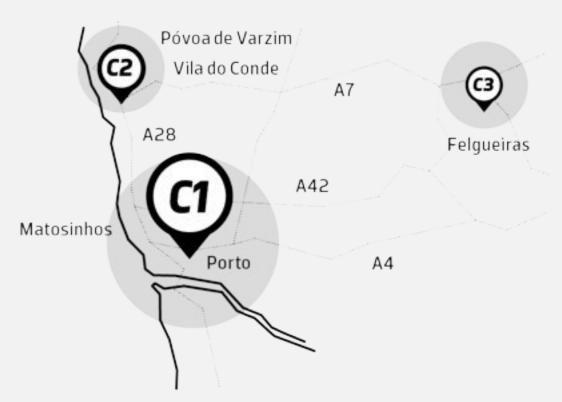
CAMPUS

Spread across an extensive and diversified area, the eight schools of P.PORTO are located in three Campi distributed between the northern coast and the inland region.

Campus 1 is located in Asprela in the far north of the city and in downtown Porto.

Campus 2 is located between the municipalities of Póvoa de Varzim and Vila do Conde.

Tâmega and Sousa is home to **Campus 3**, where the School of Management and Technology can be found.









P.PORTO

ACCESS AND ADMISSION

From secondary school students who choose our 1st cycle courses (licenciatura) and master's degree programmes to begin their academic career, to those who come to enrich their education by enrolling in our postgraduate courses and continuing education courses, P.PORTO opens the doors to all vocations, talents and expectations.

P.PORTO provides the largest portfolio in the country that is challenging, certified and with various access and admission regimes.







Vacancies occupation





SCHOOLS

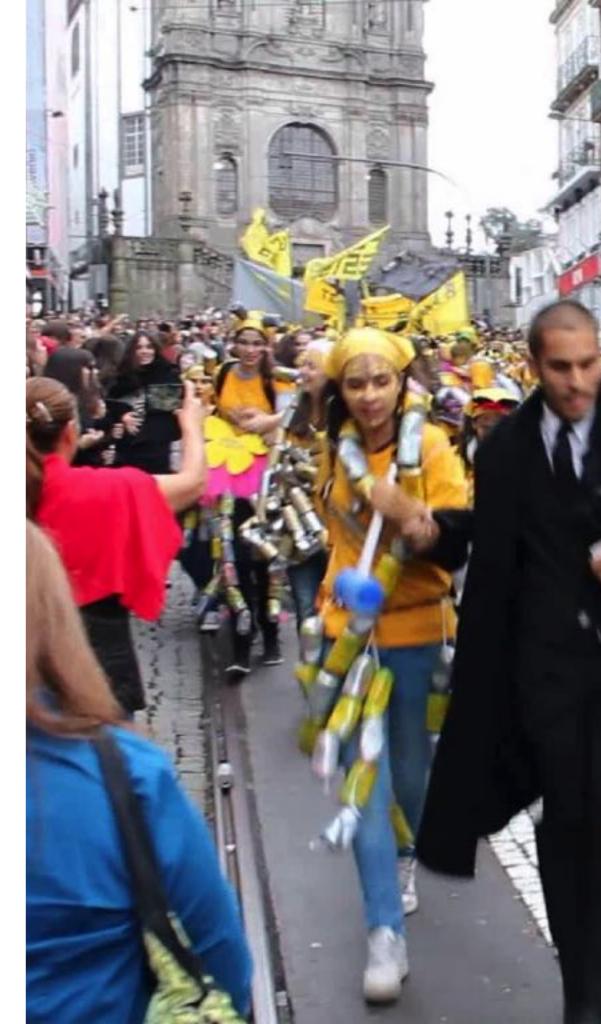
At P.PORTO one can study engineering at one of the oldest and most respected institutions in the country, develop creative and artistic thinking in Porto's downtown, enjoy the contemporary facilities of the refurbished Póvoa de Varzim/Vila do Conde Campus and the variety of equipment available at the Sports Centre. These possibilities are put together with the most modern facilities and infrastructures, cutting-edge equipment and an excellent learning environment, entirely appropriate to the job market needs.

- SCHOOL OF ENGINEERING
- ACCOUNTING AND BUSINESS SCHOOL
- SCHOOL OF EDUCATION
- SCHOOL OF MUSIC AND PERFORMING ARTS

- SCHOOL OF MANAGEMENT AND TECHNOLOGY
- SCHOOL OF HEALTH
- SCHOOL OF HOSPITALITY AND TOURISM
- SCHOOL OF MEDIA ARTS AND DESIGN
- SCHOOL OF MANAGEMENT AND INDUSTRIAL STUDIES

ESCOLA SUPERIOR DE EDUCAÇÃ POLITÉCNICO DO PORTO

SCHOOL OF EDUCATION



P.PORTO

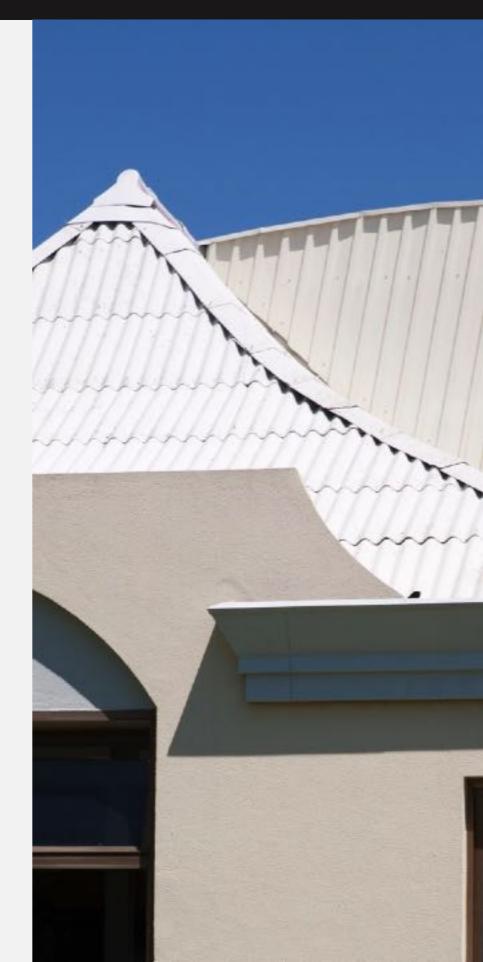
SCHOOL OF EDUCATION

The School of Education has the stronghold of teacher training, but also of the training of educators, and social and cultural players in numerous areas - from languages to music, to sports.

The School started in 1985, providing undergraduate degrees in primary education, as well as in-service teacher training programmes for teachers and educators. Later on it widened the range of its educational offer to other professionals, namely in the field of Social Education, Art and Cultural Heritage Management, and Translation and Interpretation of Portuguese Sign Language. With the consolidation of the European Higher Education Area, we updated our educational offer so as to include Professional and Vocational Masters.

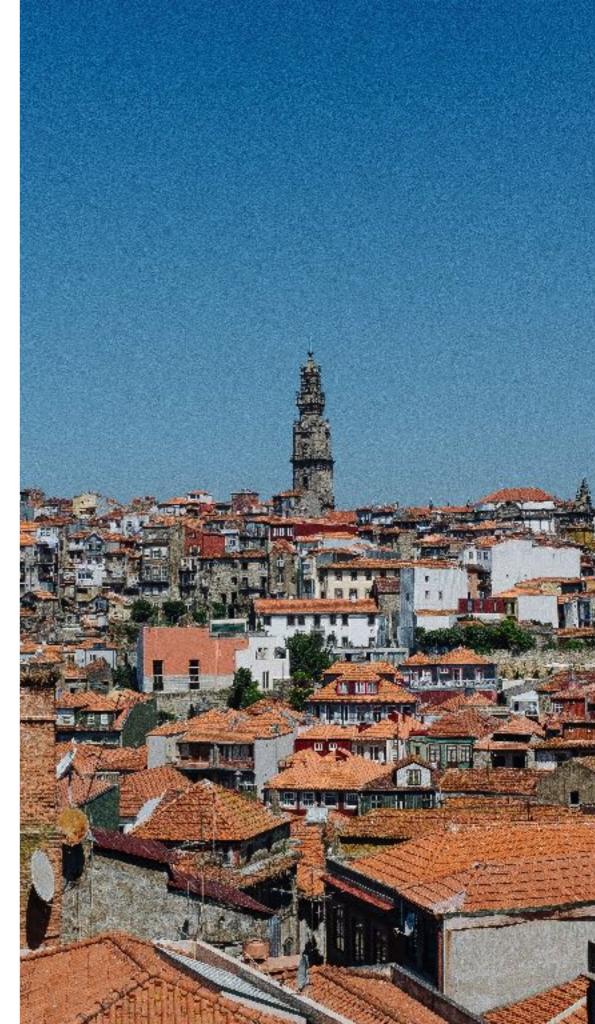
8 Undergraduate Degrees **15** Master Degrees

PhD programme





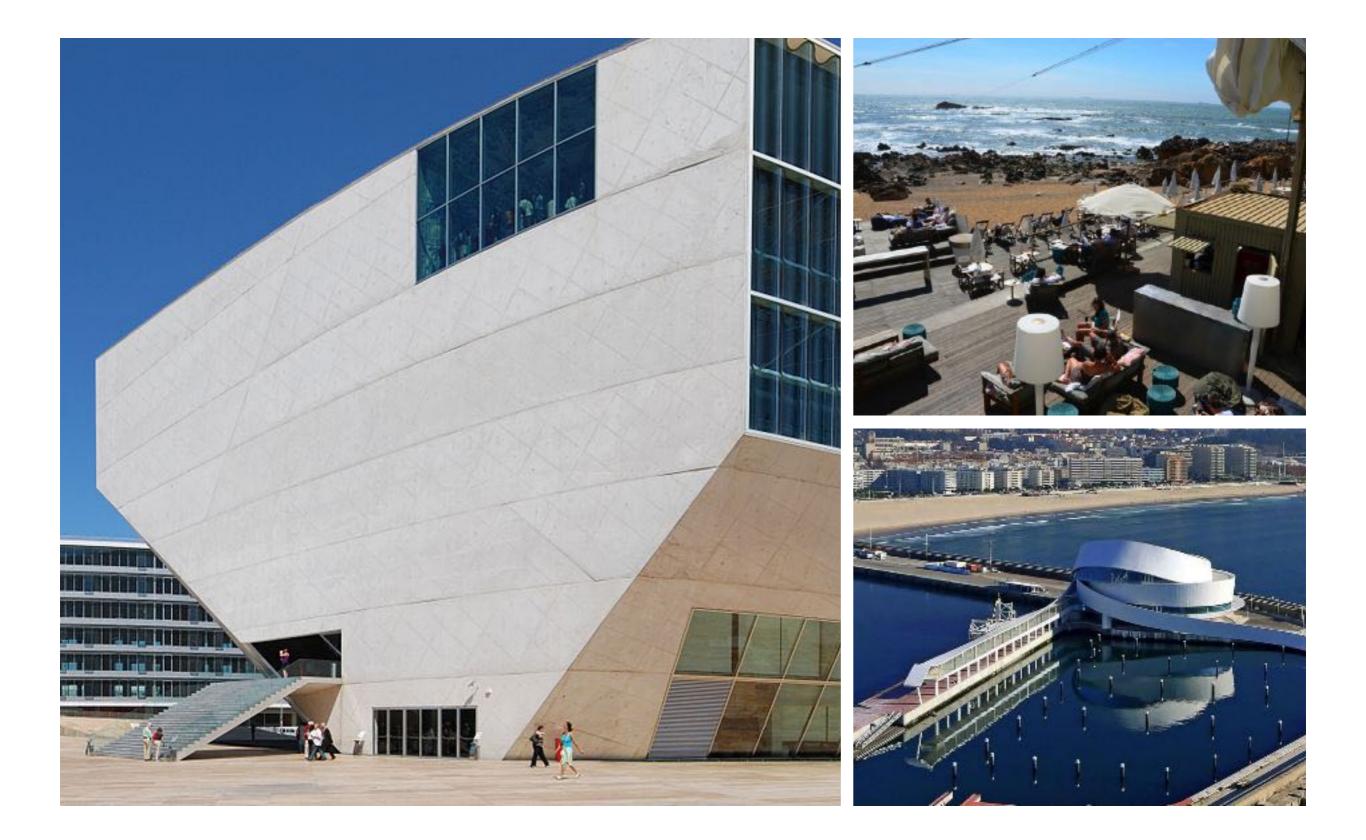
PORTO: THE CITY





- Porto is one of the oldest tourist destinations in Europe and benefits from a privileged geographic location, complemented by a modern transport and communications network.
- The richness of its monumental and artistic heritage, Port Wine, numerous leisure facilities and its cultural attractions invite you to visit this contemporary and inspired city well-known for its hospitality.







-Oportonity City: Porto city of opportunities

21ST CENTURY LEARNING INTO PRACTICE

TECHNOLOGY MEDIA-DRIVEN APPROACHES 3.0

BARENTSON

21ST CENTURY LEARNING INTO PRACTICE

¿WHICH SKILLS SHOULD WE TACKLE WITHIN 21ST CENTURY CLASSROOMS?

BRAINSTORMING



STEP 1: ACCESS <u>MENTI.COM</u>

STEP 2: Mentimeter INSERT THE GIVEN CODE

> STEP 3: GIVE YOUR OPINION

WHAT SKILLS DO WE NEED TO TEACH? HOW CAN WE TEACH STUDENTS EMOTIONAL **INTELLIGENCE AND SELF-MANAGEMENT** SKILLS? **HOW CAN WE ENSURE THAT STUDENTS** TRANSFER THEIR SKILLS AND KNOWLEDGE FROM ONE SUBJECT AREA TO ANOTHER **ENCOURAGING INDEPENDENT. FLEXIBLE LEARNING CAPACITY?**



"DO WE WANT A SOCIETY FULL OF MONOLINGUAL, MONOLITERATE, MONOCULTURAL TEST-TAKERS? OR DO WE WANT A SOCIETY OF MULTILINGUAL, MULTILITERATE, MULTICULTURAL CRITICAL THINKERS WHO POSSESS THE LINGUISTIC AND TECHNOLOGICAL RESOURCES NECESSARY FOR THE 21ST CENTURY?"

MARY AMANDA STEWART

TIN AMERICA

Council of the Americas 7:17

CNN NEWS

SUBORDINATION TO THE EVENT



Donald J. Trump

45th President of the United States of America

Washington, DC

III Participa desde março de 2009

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2.196 Fotos e vídeos





Tweets 35,5 mil

> Donald J. Trump ...conquests, how begged for forgiv

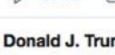
Seguindo

45

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Donald J. Trump Never in U.S.hist Blumenthal. He t

Traduzir do inglê

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Donald J. Trump

HYPER-PERSONALIZATION OF POLITICS



CONFUSION BETWEEN POLITICS AND ENTERTAINING



DIRECT OVER THE DEEERRED



VALORIZATION OF NON-VERBAL DMENSIONS IN THE COMMUNICATION



PREDOMINANCE OF REDUNDANCIES COMMUNICATION

CHUCK & BEANS

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FACEBOOK.COM/SHOEBOXBLOG

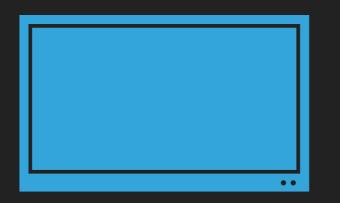
"IN THE ERA OF 21ST CENTURY GLOBALIZATION, CYBERSPACE IS REPRESENTED AS A DIGITAL AND MATERIAL REVOLUTION, WHICH CONTAINS AN INFRASTRUCTURE (COMPUTER NETWORKS) IN RAPID GLOBAL EXPANSION AND A SUPERSTRUCTURE (VIRTUAL REALITY), COMPUTER SCREENS AND TELEVISION. IT IS THE CREATION OF A KIND OF OPPORTUNITIES FOR DOMESTIC PRESIDENCY OVER THE GLOBAL WORLD, THE USER IMMERSED IN A WORLD OF DATA AND INFORMATION IS ABLE TO CAPTURE ALL KNOWLEDGE, TRAVEL WITHOUT LIMITS IN A SPACE WHERE VIRTUAL REALITY IS STRONGER THAN THE CONCRETE REALITY IT IS A HYPER-FICTION, AT THE SAME TIME HYPER-REALISTIC THAT ALLOWS ANY MORTAL TO REALIZE THE MOST AMBITIOUS BOURGEOIS DREAMS."

Estanque (2009, WEB)

THE YOUNG APPRENTICES QUESTION THE STATUS QUO THAT SURROUNDS THEM, ACCEPTING "LITTLE AT FACE VALUE... UNLIKE THE TV GENERATION WHICH HAD NO VIABLE MEANS TO INTERACT WITH MEDIA CONTENT, THE N-GENERATION HAS THE TOOLS TO CHALLENGE IDEAS, PEOPLE, STATEMENTS – ANYTHING. THESE YOUTH LOVE TO ARGUE AND DEBATE...THEY ARE ALSO LEARNING TO THINK CRITICALLY AS WELL" (TAPSCOTT, 2009:WEB).

Tapscott (2009, WEB)







homo sapiens

homo ocular

homo pronetaire

EDUCATION

PRONETARIZATION

EDUCATION FOR PROACTIVE CITIZENSHIP THROUGH THE INTERNET

A NEW TYPE OF INTERNET SERVICE USERS THAT ARE "CAPABLES DE PRODUIRE, DIFFUSER, VENDRE DES CONTENUS NUMÉRIQUES NON PROPRIÉTAIRES", BY MAKING USE "BLOGS, SITES WEB INTERACTIFS, SORTES DE JOURNAUX PERSONNELS EN P2P (...)" IN ORDER TO CONTRIBUTE TO A REREADING AND RECREATION OF NATIONAL AND INTERNATIONAL NEWS.





PRO-ACTIVE CITIZENSHIP



(cf. Cruz & Orange, 2016)

HOW CAN WE TACKLE THESE AT SCHOOL?

TEDXRíodelaPlata

x=evento TED organizado de forma independiente



WHAT IS CRITICAL THINKING?

INDEPENDENT, REASONABLE, REFLECTIVE THINKING THAT IS FOCUSED ON DECIDING WHAT TO BELIEVE AND DO.

THE PROCESS OF CRITICAL THINKING INVOLVES ACQUIRING INFORMATION AND ASSESSING IT TO REACH A WELL-JUSTIFIED CONCLUSION OR ANSWER.

CRITICAL THINKERS GATHER INFORMATION FROM ALL SENSES, EXPERIENCE.



IMPLEMENTING CRITICAL THINKING PEDAGOGIES

PROMOTING INTERACTION AMONGST PUPILS;

ASKING OPEN-ENDED QUESTIONS;

ALLOWING SUFFICIENT TIME FOR REFLECTION;

USING PAIR AND GROUP WORK ACTIVITIES;

SPEAKING LESS AND LETTING PUPILS THINK MORE;

CALLING ON PUPILS THAT DO NOT USUALLY PARTICIPATE QUITE OFTEN;

CALLING ON PUPILS TO SUMMARIZE IDEAS;

REQUIRING REGULAR PROJECTS IN CLASS;

DEVELOPING SELF-ASSESSMENT STRATEGIES.



LET YOUR STUDENTS LEAD THE LEARNING

EFFECTIVE TEACHERS ARE MORE LIKE MODERATORS, OFFERING INSPIRATION AND GUIDING STUDENTS TO DISCOVER FOR THEMSELVES.

GIVE STUDENTS THE OPPORTUNITY TO BE SELF-LEARNERS AND SELF-EVALUATORS, WHICH GUARANTEES LIFELONG LEARNING.



QUESTIONING

STUDENTS SHOULD BE ABLE TO ASK QUESTIONS AND FIND A WAY TO GET ANSWERS FOR THEM.

STUDENTS (AND TEACHERS) MUST REFLECT OUT LOUD ON THEIR NEW DISCOVERIES.

A KWL CHART CAN FACILITATE THE PROCESS (WHAT DO YOU KNOW? WHAT DO YOU WANT TO KNOW? WHAT HAVE YOU LEARNED?)



ENCOURAGE COLLABORATION

"WE ARE GREATER THAN THE SUM OF OUR PARTS." A HEALTHY, ACTIVE CLASSROOM IS A SHARING CLASSROOM.

STUDENTS ARE SOCIAL BEINGS, AND EVEN MORE SO IN A LANGUAGE CLASS.

FIND EVERY OPPORTUNITY TO ALLOW STUDENTS TO FORM PAIRS AND SMALL GROUPS.



ENCOURAGE CREATIVITY

CREATIVE ACTIVITIES ALLOW STUDENTS TO EXPRESS WHAT THEY'VE LEARNED IN A NEW WAY.

THE SYNTHESIZING AND PERSONALIZING OF KNOWLEDGE CONSOLIDATES LEARNING, AND CREATES AN EXPERIENCE THAT REMAINS WITH STUDENTS LONG AFTER THE CLASS IS OVER.

TEXTBOOKS? YES OR NO?

"CONTENT (POTENTIAL INTAKE) IS NOT PREDICTABLE. IT IS, RATHER, SOMETHING THAT EMERGES BECAUSE OF THE INTERACTIVE NATURE OF CLASSROOM EVENTS."

Allwright (1981:8)

Choosing your Coursebook

Alan Cunningsworth



TEXTBOOKS?

LACK OF VARIETY OF STRATEGIES;

A WEAK RESPONSE TO THE REAL NEEDS OF THE STUDENTS;

SPONTANEITY AND CURRICULAR FLEXIBILITY ALSO DECREASE;

LACK OF CREATIVITY IN THE USE OF THE LANGUAGE ITSELF.

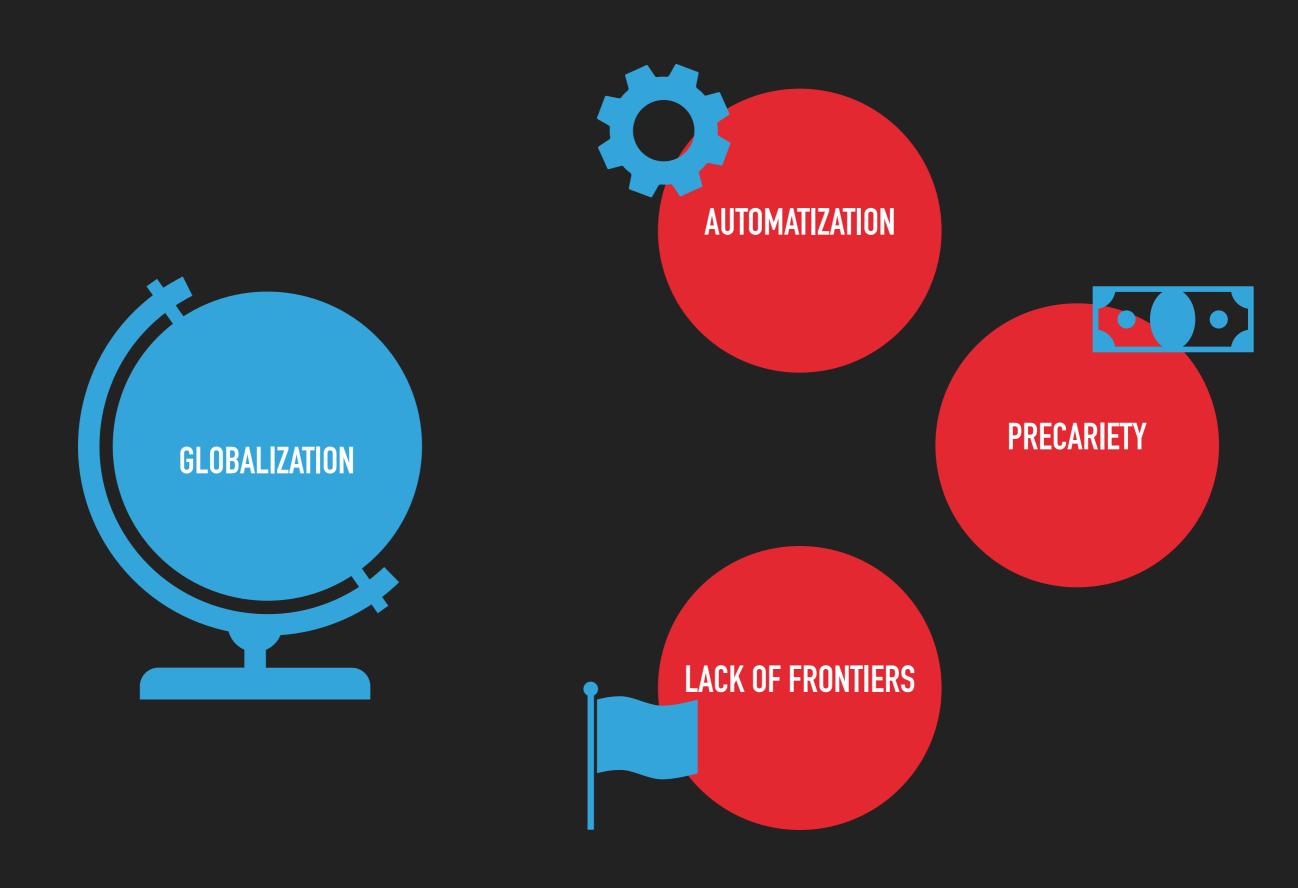
(Cunningsworth, 1995)

FULL EMPLOYMENT?



TODAY'S SCHOOL OR YESTERDAY'S SCHOOL?

THE EDUCATION SYSTEMS. WHICH ARE STILL LINKED TO A TAYLORIST MODEL OF PREPARING PEOPLE FOR A FULL **EMPLOYMENT ECONOMY** ARE NOT CAPABLE OF **CREATING CITIZENS FOR** THE 21ST CENTURY.



SHOULD WE RESHAPE School Spaces?



RESHAPING SPACES...

THE SCHOOL ENVIRONMENT IS OFTEN REFERRED TO AS THE THIRD TEACHER, YET MANY SCHOOLS CONTINUE TO CONSTRUCT THEIR FACILITIES WITH TRADITIONAL, AND ARGUABLY OUTDATED, CLASSROOMS AND RESOURCES.

SPACES SHOULD REFLECT THE NEED FOR COLLABORATIVE LEARNING AND SOCIAL DEVELOPMENT (SMALL STUDY PODS, TEACHING ROOMS FOR SMALL GROUP LECTURES, OPEN-SPACE ROOMS FOR PERFORMANCE ACTIVITIES, MULTIMEDIA LABORATORIES, ETC.)

CULTURE OR CULTURES?

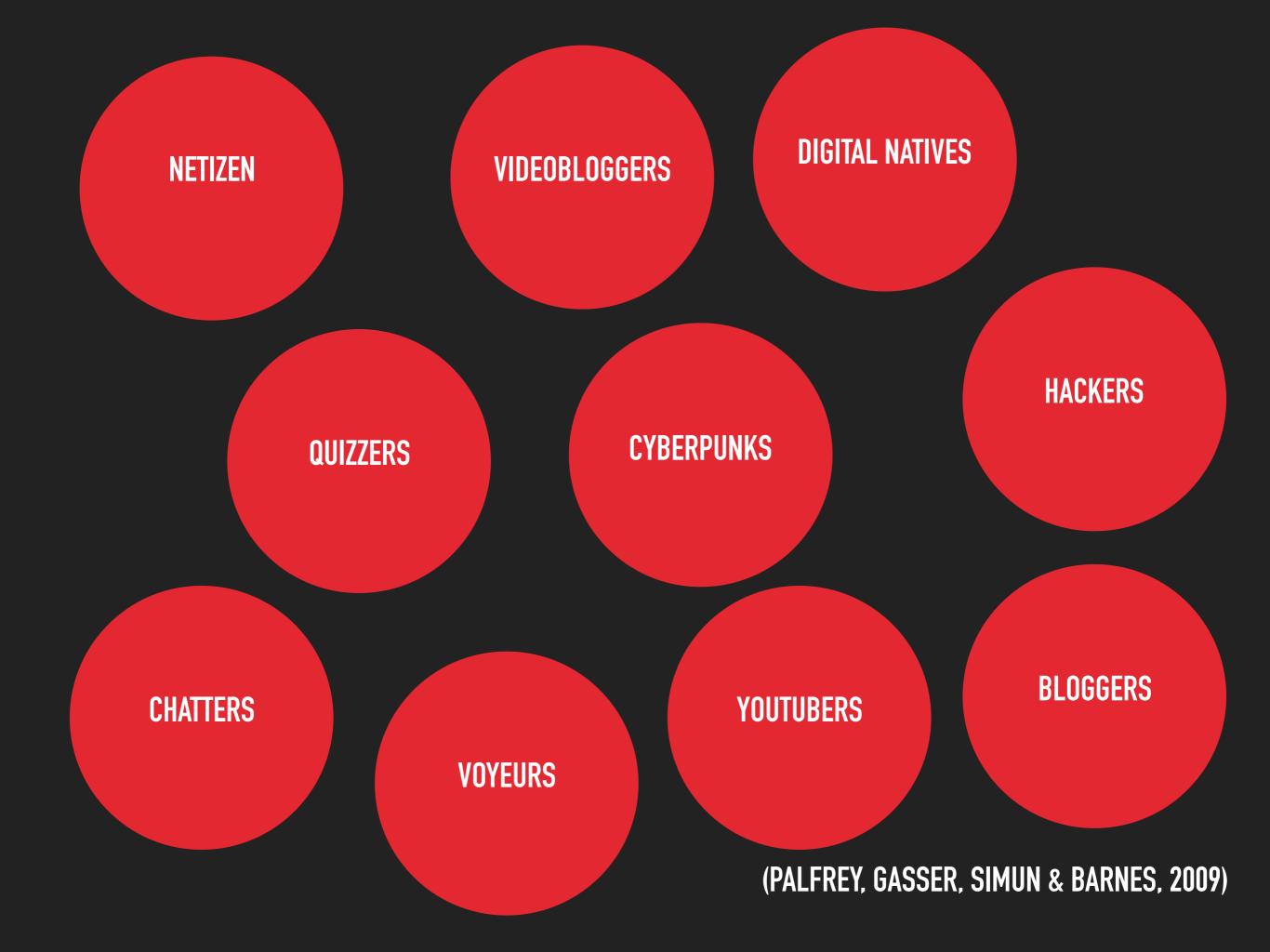


LINGUISTIC AND CULTURAL VARIETIES

"INCREASE THE CONFIDENCE OF THE SPEAKERS OF A LANGUAGE LEADING THEM TO THE UNDERSTANDING THAT LEARNING THE LANGUAGE DOES NOT HAVE TO BE TOTALLY BASED ON A SINGLE VARIETY BUT RATHER IN REAL AND USEFUL SITUATIONS SO THAT THEY CAN FEEL THAT THEY ARE PART OF THE CONSTRUCTION OF THE LANGUAGE THEY SPEAK"

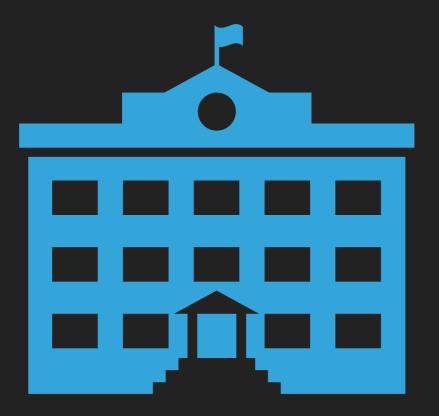
"WE BELIEVE THAT THE GREATEST WEALTH OF LANGUAGE IS PRECISELY IN ITS DIVERSITY, SO IT MUST BE EXPLORED IN THE TEACHING OF MOTHER TONGUE AND FOREIGN LANGUAGE. (...) WE EXPECT OUR STUDENTS TO BE PREPARED TO DEAL WITH THE ACTUAL USE OF THE LANGUAGE IN CONCRETE SITUATIONS, SO THE IMPORTANCE OF ANALYZING DIFFERENT VARIETIES

(Del Rios, & Ayres, 2015)



PRONETAIRES:
OUNG WITH FULL,
MATURE, ACTIVE AND
AUTONOMOUS CULTURAL
BELONGING TO THE
DIGITAL AGE

PEDAGOGY OF INNOVATION OR RENEWAL?



explanation pedagogy



critical (hyper)pedagogy

post-method era> connectivism

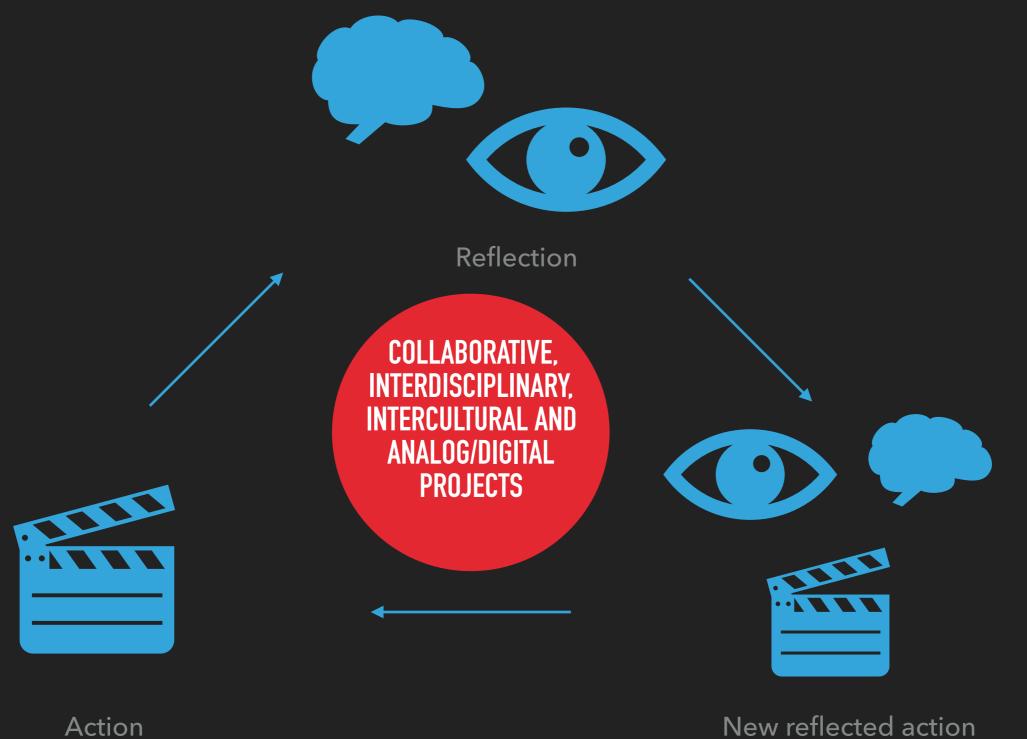
Downes (2006)



IT IMPLIES

PEDAGOGY FOR AUTONOMY THAT AIMS AT THE CONSTANT TRANSFORMATION OF THE **CONDITIONS IN WHICH ONE LEARNS** AND ALSO THAT IMPLIES THE DEVELOPMENT OF A SOCIAL **RESPONSIBILITY, A CRITICAL** AWARENESS OF THE STATE OF THE **ECONOMIC-POLITICAL AND SOCIO-**CULTURAL SOCIETY AND A ROLE PROACTIVE LEARNING BY THE LEARNERS IN THE WHOLE PROCESS.

(Jiménez Raya, et al., 2007; Lamb, 2000)



Action

Freire (1997)

TECHNOLOGY MEDIA-DRIVEN APPROACHES 3.0

EXPERIENTIAL COMMUNICATIVE APPROACH

"EVERY LESSON SHOULD INCLUDE A HANDS-ON EXPERIENCE. IF THE LESSON IS ABOUT FRACTIONS, LET THE CHILDREN PLAY WITH PLASTIC PIES WITH SLICES TO UNDERSTAND. IF THE LESSON IS ON WRITING, PLAY GAMES THAT ALLOW STUDENTS TO IDENTIFY BETTER WRITING TECHNIQUES. USE THE COMPUTER AND ONLINE RESOURCES TO TAKE LEARNING TO A NEW LEVEL WHERE THEY CAN SEE AND HEAR AND INTERACT. CONSIDER THE POTENTIAL OF TOUCH SCREENS IN EDUCATION, WHERE A CHILD CAN EASILY SLIDE OBJECTS BACK AND FORTH ON THE SCREEN AND LEARN IN THE PROCESS."

ARSLAN (2009:WEB)



CLASSROOM TASKS SHOULD ENGAGE STUDENTS IN COOPERATIVE STRATEGIES, MAKING THEM RESPONSIBLE FOR THEIR LEARNING

AFFECTION AND SECURITY ARE OF UTMOST IMPORTANCE AS PUPILS NEED TO FEEL BOTH SAFE AND PART OF A COMMUNITY, BUT ALSO REWARDED FOR THEIR ACHIEVEMENTS AUTHENTIC USE OF LANGUAGE, WITH MEANINGFUL AND STIMULATING ACTIVITIES, IS ALSO ADVISED.

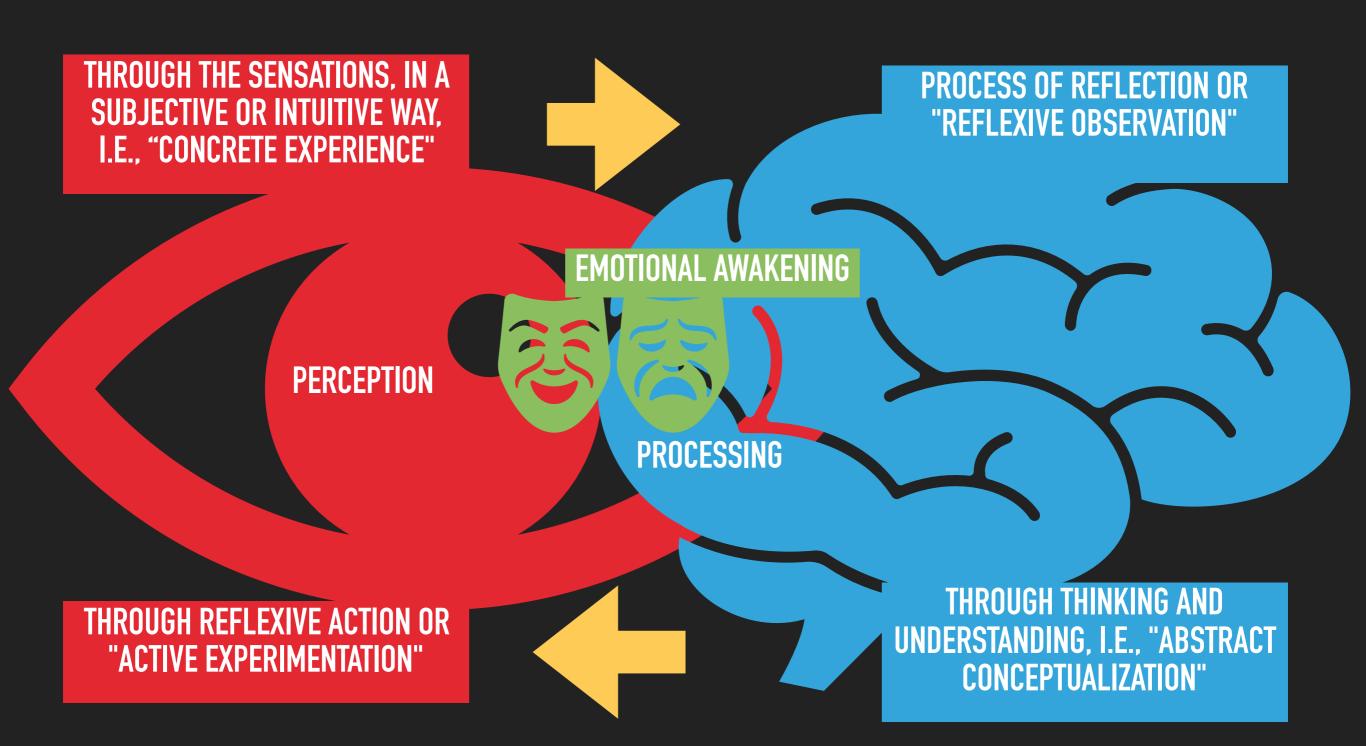
EMOTION

EACH TASK SHOULD POSE CHALLENGES AND THEREFORE GENERATE INTEREST

(Fernández–Corbarcho, 2014)

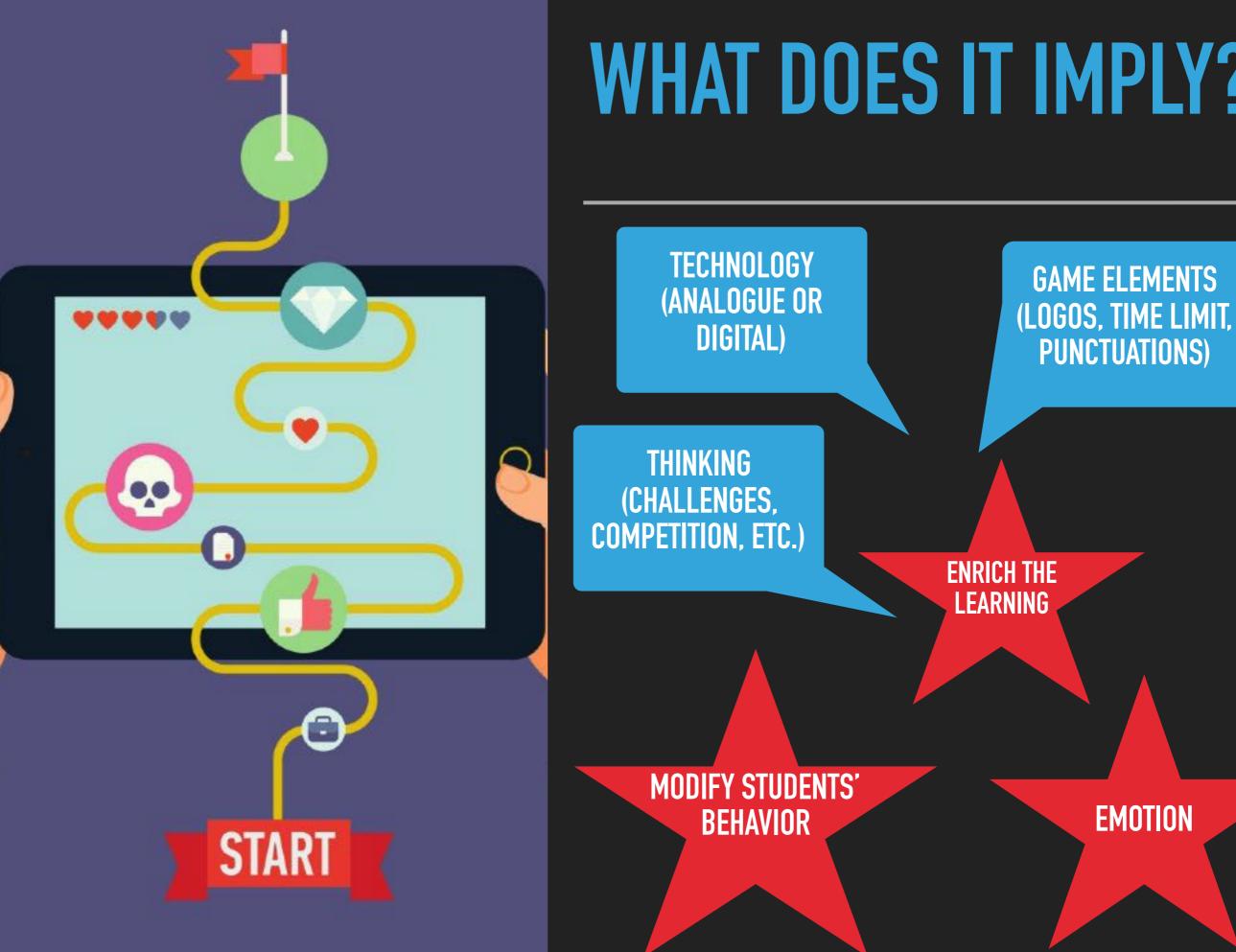
"YOU ONLY REMEMBER WHAT YOU FEEL, AND THAT BECOMES EXPERIENCE"

(Brierley, 2011)



(Kolb, 1984; Mora, 2013)

GAMIFICATION PEDAGOGY



WHAT DOES IT IMPLY?

EMOTION



WHY GAMIFICATION?

THE GROWTH OF COMPUTER GAME INDUSTRY



WHY GAMIFICATION?

THE SPREADING OF SOCIAL MEDIA



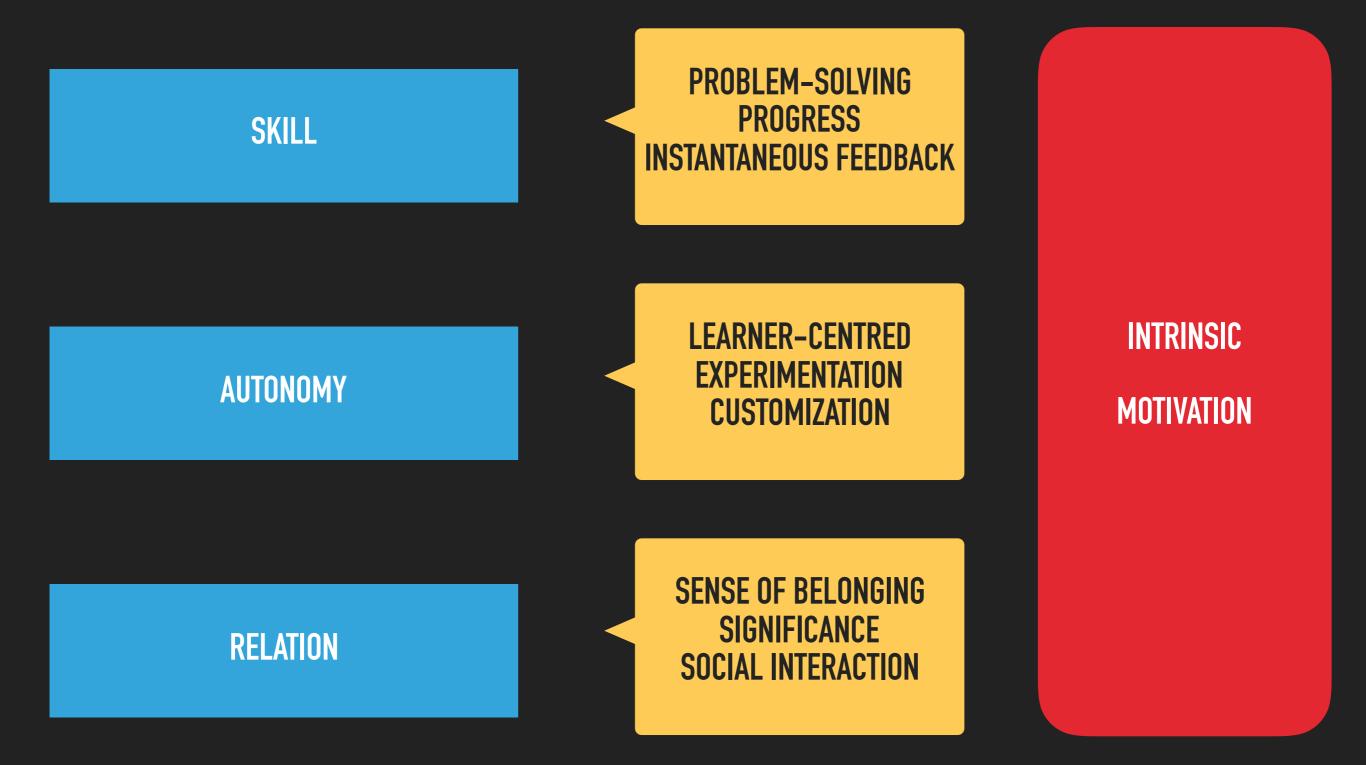
WHY GAMIFICATION?

THE QUEST TO INFLUENCE THE WAY PEOPLE BEHAVE (SOCIALLY, ECONOMICALLY, ETC.)

GAMES	GAMIFIED TASKS
DEFINED RULES AND OBJECTIVES	COLLECTION OF TASKS WITH POINTS OR Rewards
POSSIBILITY OF LOSING	MOTIVATION IS THE KEY WORD
HARD AND EXPENSIVE TO BUILD	EASIER AND CHEAPER
CONTENT MORPHED TO FIT THE STORY	CONTENT IS CHANGEABLE AND CUSTOMIZABLE

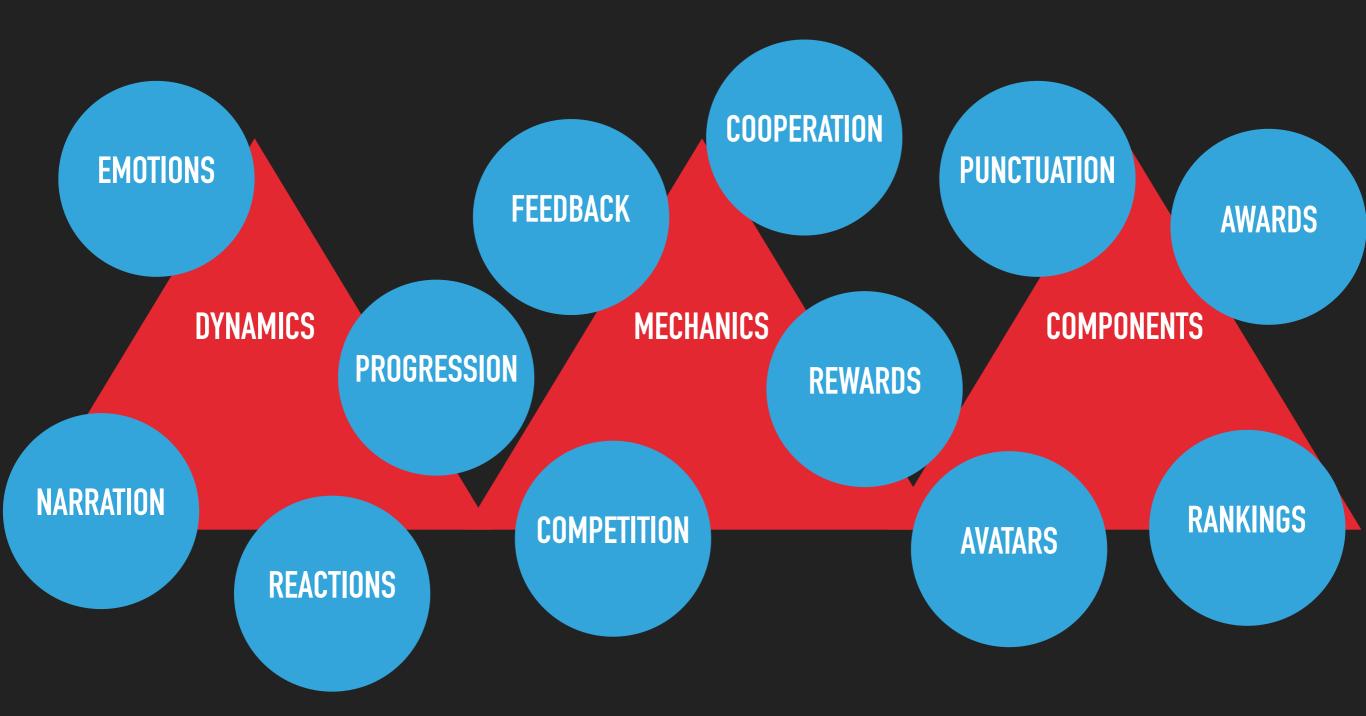
(Enders, 2013)

SELF-DETERMINATION THEORY



(Werbach & Hunter, 2012)

GAMIFICATION ELEMENTS



(Foncubierta & Rodríguez, 2015)

"TECHNIQUE THAT THE TEACHER USES IN THE DESIGN OF A LEARNING ACTIVITY (BE IT ANALOGUE OR DIGITAL) INTRODUCING ELEMENTS OF THE GAME (BADGES, TIME LIMIT, SCORES, DICE, ETC.) AND THEIR THINKING (CHALLENGES, COMPETITION, ETC.) IN ORDER TO ENRICH THAT LEARNING EXPERIENCE, DIRECT AND / OR MODIFY THE BEHAVIOR OF THE STUDENTS IN THE CLASSROOM."

Foncubierta y Rodríguez (2015)

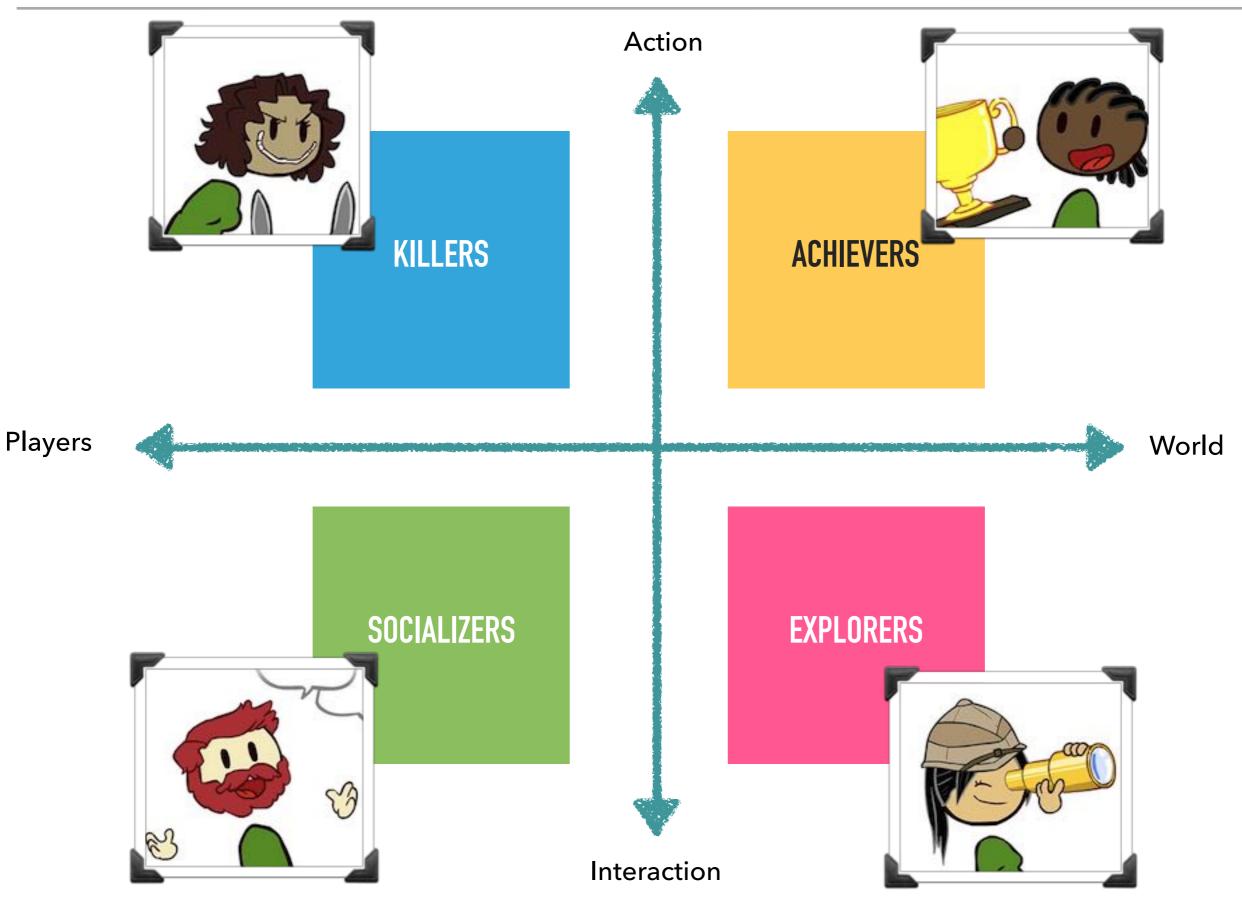
THE ACTIVITY OF LEARNING GOES BEYOND THE MERE ACT OF MOTIVATING, SINCE IT IS AIMED AT SOLVING PROBLEMS SUCH AS DISPERSION, INACTIVITY, NON-COMPREHENSION OR THE SENSATION OF DIFFICULTY THROUGH THE ACT OF INVOLVING THE STUDENT (ENGAGEMENT)

THE FEATURES OF THE NATURE OF THE GAME CAN HELP TO CAPTURE ATTENTION, FACILITATE THE ABILITY OF MEMORIZATION AND RETENTION IN THE ACQUISITION OF SKILLS AND KNOWLEDGE OF OUR STUDENTS, MAKING THE ACTION OF LEARNING A MORE EXPERIENTIAL ACTIVITY

THE CONTENTS AND CAPACITIES THAT ARE PRACTICED BY GAMIFIED ACTIVITY, ONCE LEARNED IN THE CLASSROOM CONTEXT, MAY BE MORE AVAILABLE IN NON-GAME CONTEXTS (THE REAL WORLD)

(Foncubierta & Rodríguez, 2015)

TYPE OF PLAYERS



GAMIFICATION IS NOT...

the simple adding of points, badges and providing competitive leaderboards (PBLs) that it can make a tedious activity into something immediately exciting (cf. Chou, 2016).



helps to engineer and design for motivation within a classroom setting



optimize motivation in order to fulfill short-term and long-term classroom goals



transforms activities into meaningful experiences



MOTIVATION

EMOTION

THE OCTALYSIS FRAMEWORK

GAMIFICATION OCTALYSIS FRAMEWORK



(cf. Chou, 2016)



CORE DRIVE 1. EPIC MEANING & CALLING

- WHERE A PLAYER IS MOTIVATED BECAUSE THEY ARE ENGAGED IN DOING SOMETHING BIGGER THAN THEMSELVES.
 - A SYMPTOM OF THIS IS A PLAYER WHO DEVOTES A LOT OF THEIR TIME TO MAINTAINING A FORUM OR HELPING TO CREATE THINGS FOR THE ENTIRE COMMUNITY (WIKIPEDIA OR OPEN SOURCE PROJECTS).



2. DEVELOPMENT & ACCOMPLISHMENT

- THE INTERNAL DRIVE WHERE PEOPLE ARE DRIVEN BY A SENSE OF GROWTH, A NEED TO ACCOMPLISH A TARGETED GOAL.
 - MAKING PROGRESS, DEVELOPING SKILLS, AND EVENTUALLY OVERCOMING MEANINGFUL CHALLENGES.

THIS IS ALSO THE CORE DRIVE THAT IS THE EASIEST TO DESIGN FOR AND WHERE MOST OF THE PBLS: POINTS, BADGES, LEADERBOARDS CAN BE FOUND.



3. EMPOWERMENT OF CREATIVITY & FEEDBACK

- WHEN USERS ARE ENGAGED IN A CREATIVE PROCESS WHERE THEY HAVE TO REPEATEDLY FIGURE THINGS OUT AND TRY DIFFERENT COMBINATIONS.
- PEOPLE NOT ONLY NEED WAYS TO EXPRESS THEIR CREATIVITY, BUT THEY NEED TO BE ABLE TO SEE THE RESULTS OF THEIR CREATIVITY, RECEIVE FEEDBACK, AND RESPOND IN TURN.

THIS IS WHY PLAYING WITH LEGOS ARE FUN AND ENGAGING BY ASSEMBLING, DISMANTLING AND REBUILDING THESE BASIC STRUCTURES, THEY BECOME AN "EVERGREEN MECHANIC". THE GAME-DESIGNER/STUDENT/CHILD IS ABLE TO BE CREATIVE AND SEE IMMEDIATE RESULTS.



Join us for EP 28 of #BloxHour, where we wi

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4. OWNERSHIP & POSSESSION

- IT REPRESENTS THE MOTIVATION THAT IS DRIVEN BY OUR FEELINGS OF OWNING SOMETHING AND CONSEQUENTLY THE DESIRE TO IMPROVE, PROTECT AND OBTAIN MORE OF IT.
 - IF A PERSON SPENDS A LOT OF TIME CUSTOMIZING HIS/HER PROFILE OR HER AVATAR, THEY AUTOMATICALLY FEEL MORE OWNERSHIP TOWARDS IT.

IT IS THE DRIVE THAT COMPELS US TO COLLECT STAMPS, PUZZLES, ACCUMULATE WEALTH



5. SOCIAL INFLUENCE & RELATEDNESS

- THE ENGINE BEHIND MANY THEMES AND INCORPORATES ALL THE SOCIAL ELEMENTS THAT DRIVE PEOPLE:
 - MENTORSHIP,
 - ACCEPTANCE,
 - SOCIAL RESPONSES,
 - COMPANIONSHIP,
 - COMPETITION AND ENVY.
- THE DESIRE TO CONNECT AND COMPARE OURSELVES WITH ONE ANOTHER.
- WE ARE DRIVEN TO REACH THE SAME LEVEL.



6. SCARCITY & IMPATIENCE

- THIS IS THE DRIVE OF WANTING SOMETHING SIMPLY BECAUSE WE CAN'T HAVE IT, OR BECAUSE THERE IS DIFFICULTY IN OBTAINING IT.
 - MANY GAMES HAVE APPOINTMENT DYNAMICS (COME BACK 2 HOURS LATER TO GET YOUR REWARD) – THE FACT THAT PEOPLE CAN'T GET SOMETHING RIGHT NOW MOTIVATES THEM TO THINK ABOUT IT ALL DAY LONG.



7. UNPREDICTABILITY & CURIOSITY

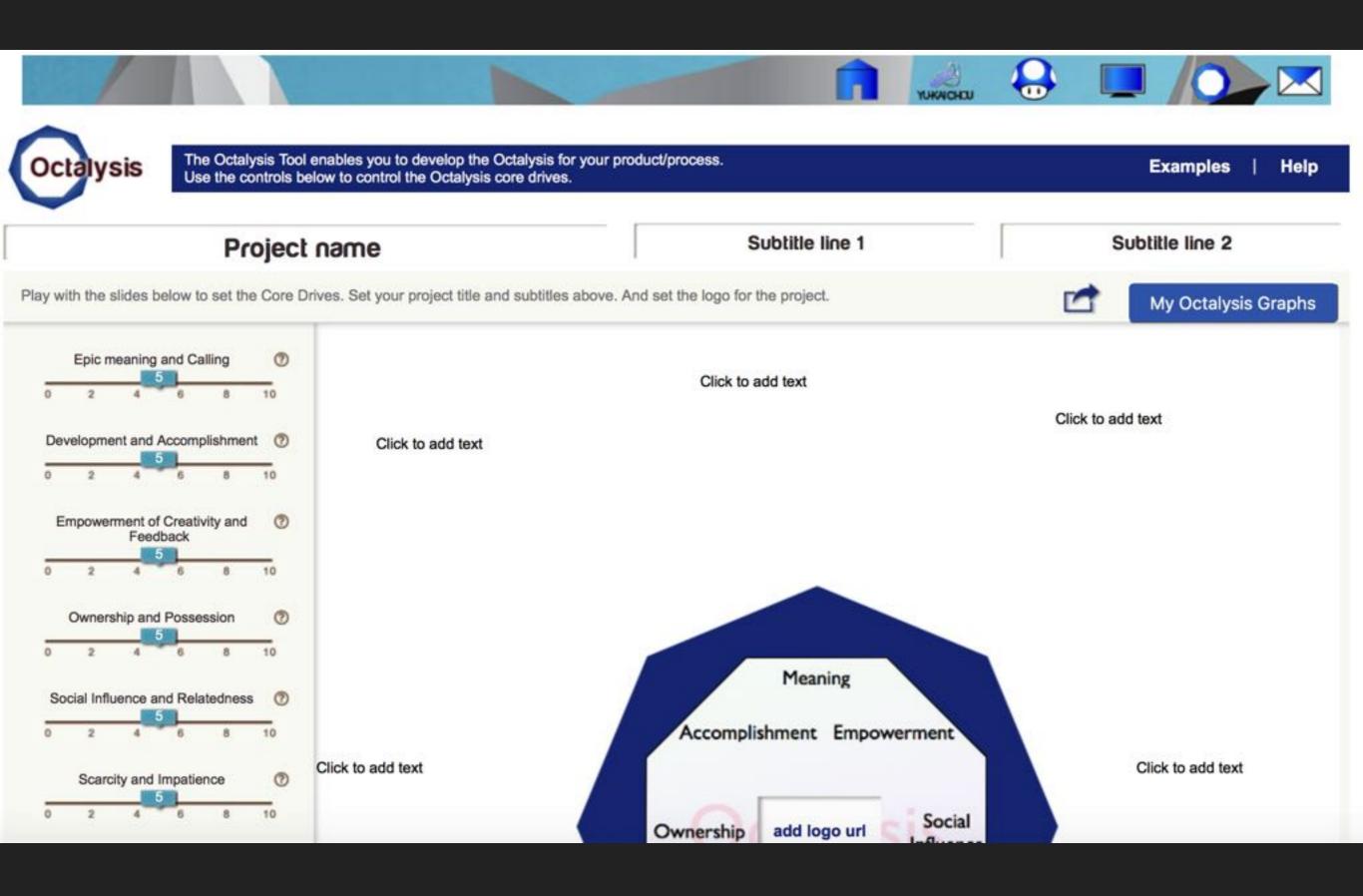
- THE MAIN FORCE BEHIND OUR INFATUATION WITH EXPERIENCES THAT ARE UNCERTAIN AND INVOLVE CHANCE.
- A HARMLESS DRIVE OF WANTING TO FIND OUT WHAT WILL HAPPEN NEXT.

IF YOU WE ARE UNCERTAIN, OR IN SUSPENSE, OUR BRAIN BECOMES MORE ACTIVELY ENGAGED AND AWARE.



8. LOSS & AVOIDANCE

- THIS CORE DRIVE MOTIVATES THROUGH THE FEAR OF LOSING SOMETHING OR HAVING UNDESIRABLE EVENTS TRANSPIRE.
- THE AVOIDING OF SOMETHING NEGATIVE FROM HAPPENING. IT IS THE REFUSAL TO GIVE UP AND ADMIT THAT EVERYTHING DONE UP TO THIS POINT HAS BEEN RENDERED USELESS.
- ACTING ON ANY PERCEIVED AS FADING OPPORTUNITIES SO AS NOT TO LOSE THE CHANCE TO ACT ON THEM FOREVER.



FLIPPED CLASSROOM APPROACH



WHAT IS IT ABOUT?

BY USING TECHNOLOGY TEACHERS ENHANCE LEARNING BY GIVING PUPILS ACCESS TO ANY SOURCES OF INFORMATION PREVIOUS TO THE LESSON.

> (Moravec, Williams, Aguilar-Roca, O'Dowd, 2010; Flipped Learning Network, 2014; Reynard, 2007)

THESE AUDIO-SCRIPTS-VISUAL RESOURCES ARE OFTEN IN THE FORM OF NARRATED VIDEO PRESENTATIONS OR EDUCATIONAL MULTIMEDIA WEBSITES.

(Moravec, Williams, Aguilar-Roca, O'Dowd, 2010; Flipped Learning Network, 2014; Reynard, 2007)



CLASS TIME IS SEEN AS AN IMPORTANT PIECE OF THE LEARNING PROCESS FOR PUPILS AND SHOULD PROVIDE COLLABORATIVE WORK.

(Moravec, Williams, Aguilar-Roca, O'Dowd, 2010; Flipped Learning Network, 2014; Reynard, 2007)

DIFERENCES

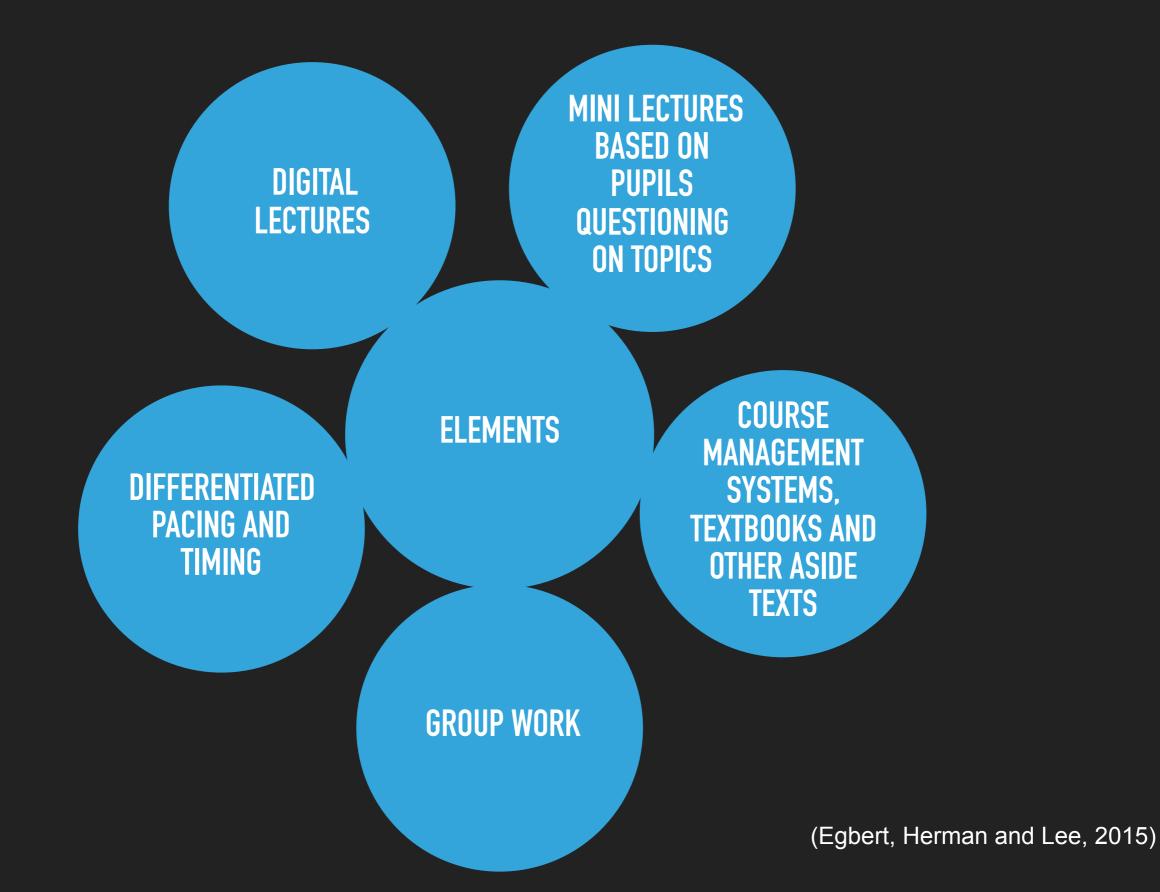
traditional classroom

flipped classroom

- teacher directed instruction
- students watch, listen and take notes
- students follow teacher's guided instruction
- students have classroom practice
- teacher assesses learning

- materials are assigned to be investigated at home
- class time is devoted to clarifying and rehearsing information
- debates, group work, problemsolving exercises, etc.
- teacher uses time to support student's individual learning

FLIPPED CLASSROOM ELEMENTS

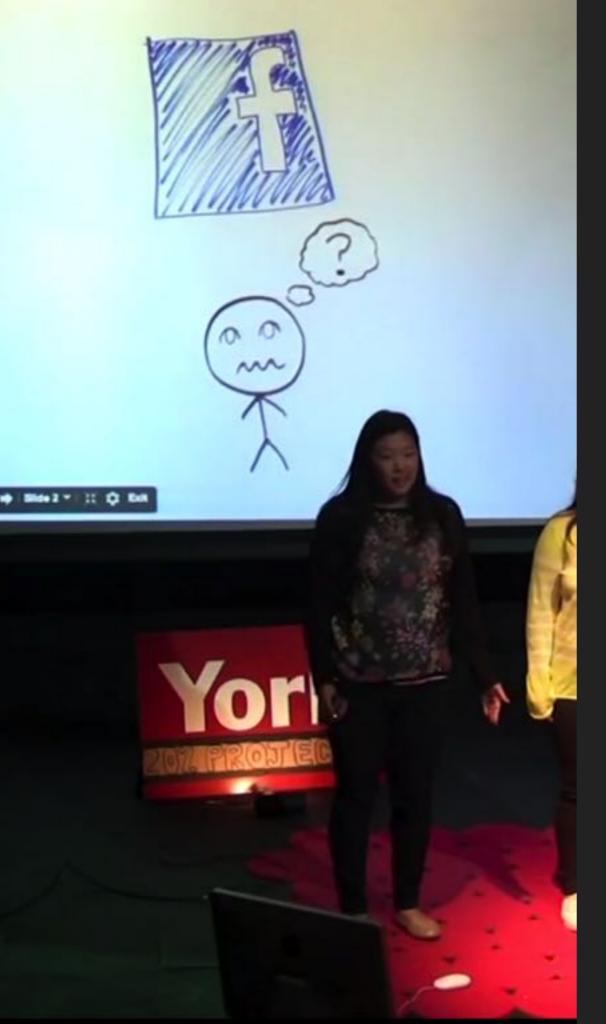


20 TIME PROJECT (OR GENIUS HOUR)



WHAT IS IT BASED ON?

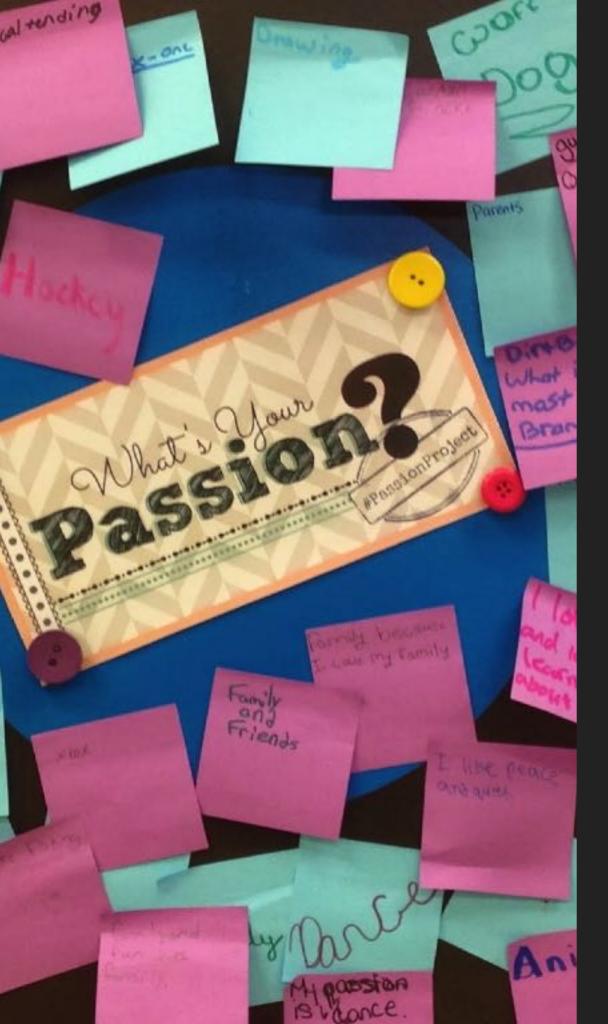
IT IS BASED ON THE WAY GOOGLE'S ENTERPRISE MANAGE THEIR EMPLOYEE'S WORK TIME.



WHAT IS IT ABOUT?

IT IS ABOUT GOALS SETTING, IMPLEMENTING, REFLECTING, REDIRECTING AND SHOWCASING THEM, BUT IT ALSO STIMULATES RESEARCH, ORGANIZATION, CREATION AND CRITICAL THINKING.





EXAMPLES OF PROJECTS

WRITE A NOVEL OR EVEN A POEMS BOOK; KEEP A BLOG ABOUT A CURRENT TOPIC; CREATE A MUSIC ALBUM OF ORIGINAL TRACKS USING THE FOREIGN LANGUAGE; CREATE, MARKET AND SELL TYPICAL TRADITIONAL FOOD FROM THE TARGET CULTURE;

CREATE A SHORT FILM ON A SPECIFIC TOPIC; CREATE AN ONLINE NEWSPAPER,

ETC.





ESCAPE ROOM APPROACH





1. OUTLINE OF CONTENTS AND THE SUBJECTS THAT WE WANT TO INCLUDE IN THIS CHALLENGE.

SEVERAL SUBJECTS/ TOPICS CAN BE CHOSEN.





2. DESIGN: THE DESIGN IS ESSENTIAL TO GIVE AN ADDED REALISM TO THE ACTIVITY.

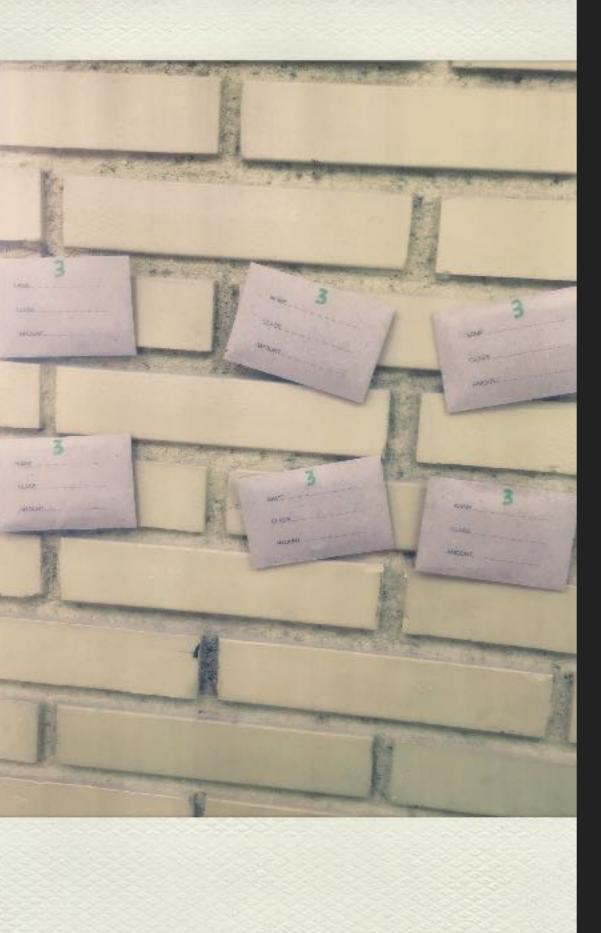
THE SETTING CAN BE SUGGESTED BY THE STUDENTS.





3. MATERIAL IS PREPARED ACCORDING TO THE SETTING.

IT IS VERY IMPORTANT TO HAVE A TREASURE CHEST, SAFE OR OTHER OBJECT THAT MUST BE OPENED IN ORDER TO GET A REWARD.





4. ACTION

HAVE AN ALREADY PRE-PREPARED CLASSROOM.

PROJECT A LARGE COUNTDOWN ON THE BOARD TO ADD PRESSURE AND URGENCY TO THE ESCAPE ROOM.

A VERY IMPORTANT PLUS IS THE CREATION THE CREATION OF ANTICIPATION,

SEND AN EMAIL THE DAY BEFORE, TO ALL THE STUDENTS WITH AN "IMPORTANT MESSAGE" THAT SHOULD BE READ.

THE EMAIL NOTIFIES THEM AND ASKS IF THEY WOULD BE WILLING TO ACCEPT THE CHALLENGE.

Hide objects

- secret codes, keys, classroom objects
- Use an ultraviolet flashlight
 - With an invisible ink pen, write a secret code(s) on the wall

Create codes

Consider using other codes: braille, hieroglyphics, numbers



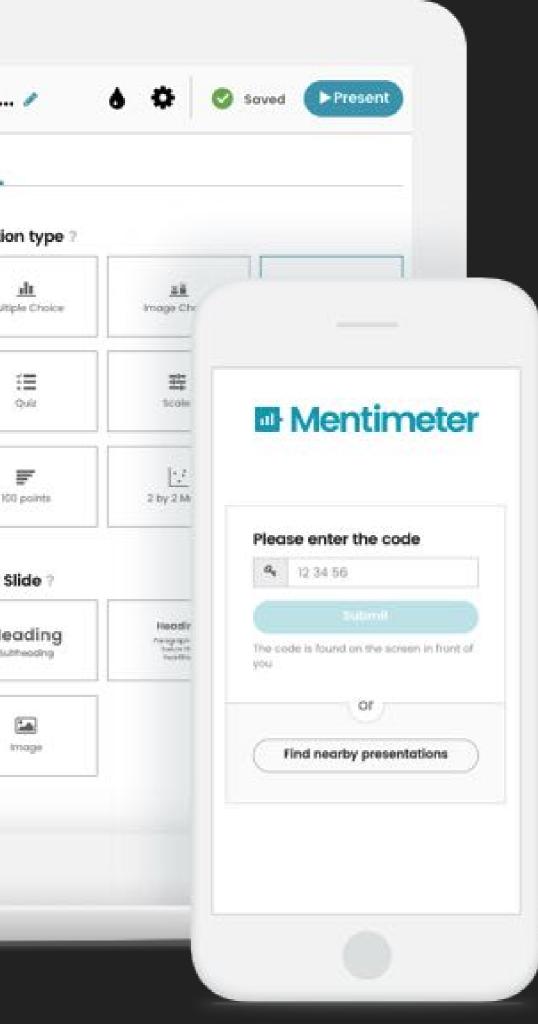
Some examples

"¿WHAT DO YOU KNOW ABOUT..?"

GROUP: GROUP OF STUDENTS OF ALL LEVELS

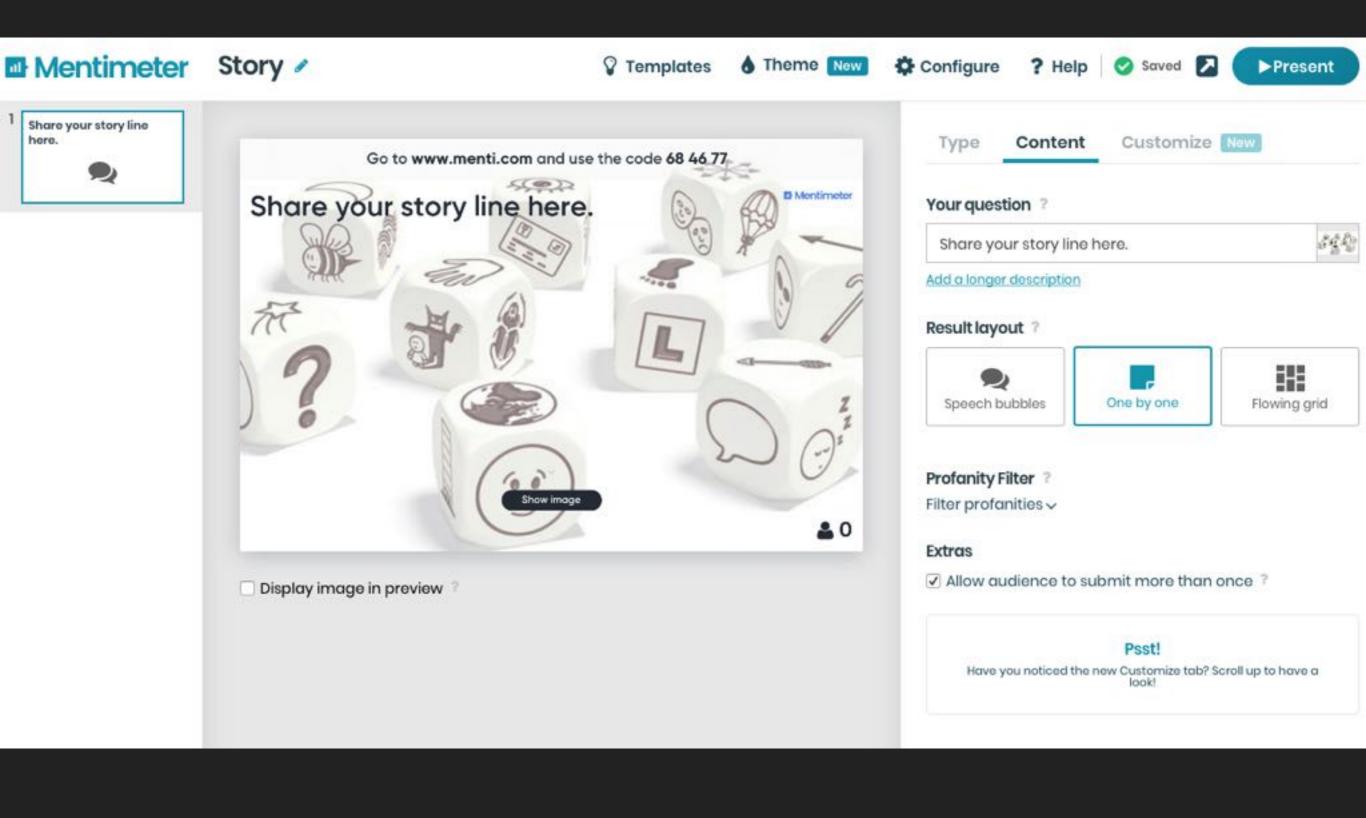
Aims:

 to understand the representations that students have on different topics



QUESTIONNAIRES THROUGH MENTIMETER

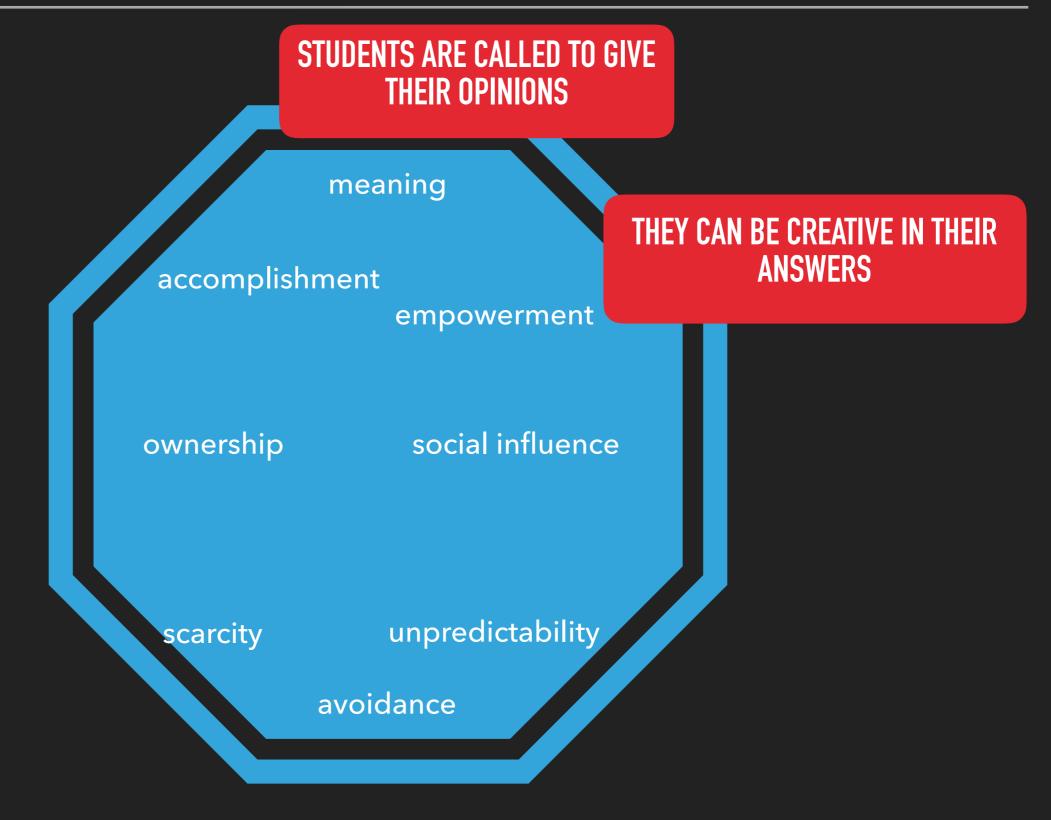
- 1. LINK: <u>HTTPS://</u> <u>WWW.MENTIMETER.COM</u>
- 2. TYPE OF QUESTIONNAIRES:
- CLOSE
- OPEN ENDED
- MULTIPLE CHOICE
- WORLD CLOUD
- SCALES



What words come to mind regarding 'coding'?

ProblemSolving technology programming nd innovation commands underrepresented FutureJobs

GAMIFICATION OCTALYSIS FRAMEWORK INTO PRACTICE

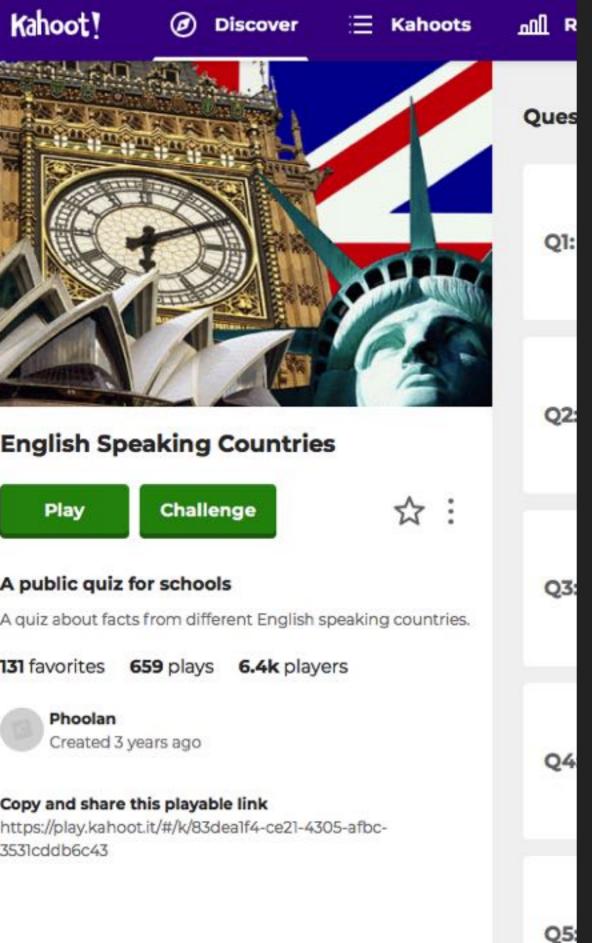


(Chou, 2016)

"WHAT DO YOU KNOW ABOUT ENGLISH SPEAKING COUNTRIES?" GROUP: GROUP OF STUDENTS OF ALL LEVELS

Aims:

- Make students aware of the existence of linguistic and cultural varieties of English



QUESTIONNAIRE ON KAHOOT

1. LINK:

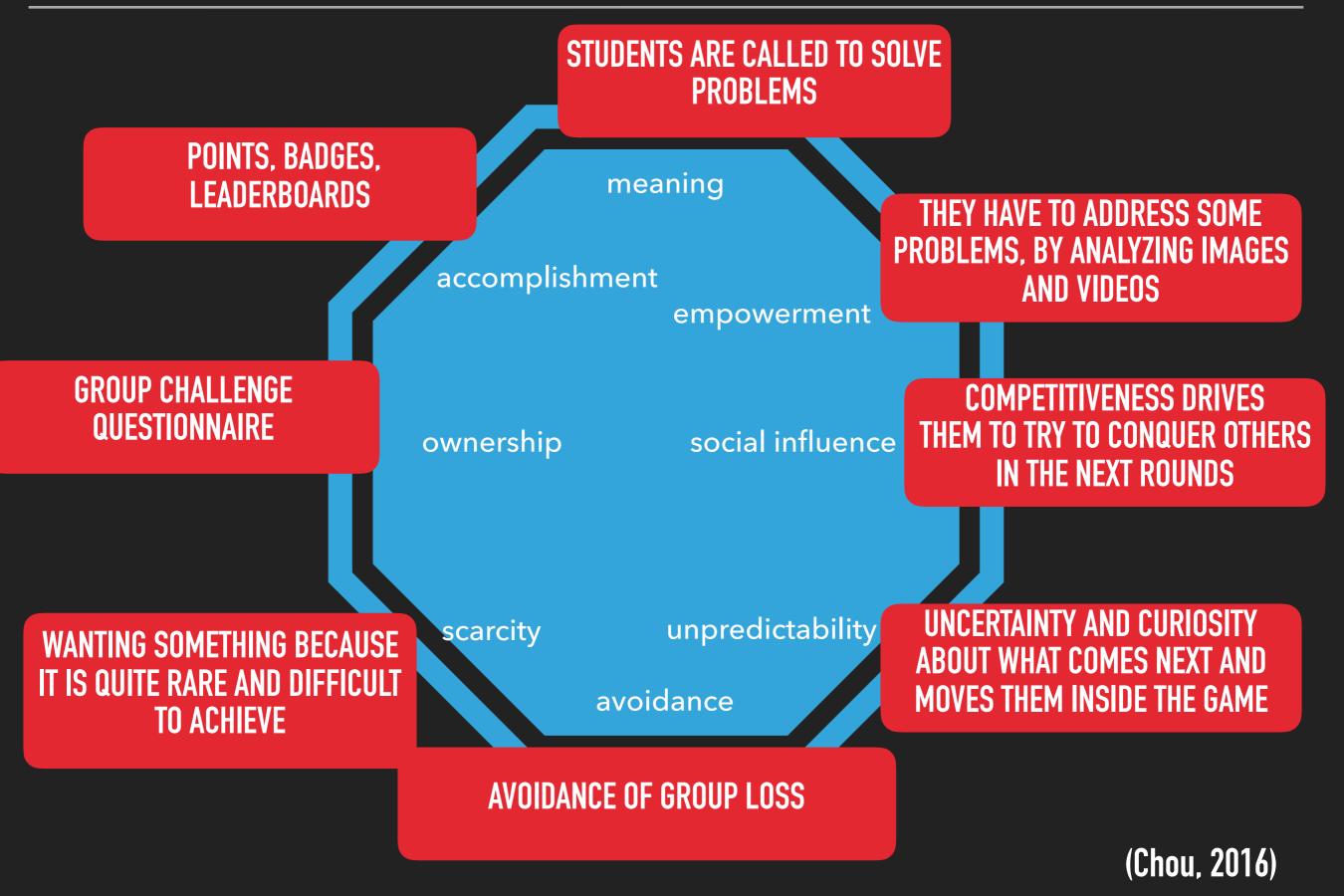
<u>HTTPS://PLAY.KAHOOT.IT/#/K/</u> 83DEA1F4-CE21-4305-AFBC-3531CDDB6C43

2. QUESTIONS ON DIFFERENT TOPICS: GEOGRAPHY HISTORY SOCIETY LEXICON ACCENTS EXPRESSIONS

Kahoot!	Ø Discover	⊟ Kahoots	nill Reports	Upgrade now	Create	٢	0
	cts from different English speaking countries. 659 plays 6.4k players		Questions (30)		5	Show an	swers
			Q1: In which country is English NOT an official language?				50 sec
			Q2: Which is the capital of Canada?			ANADA	i0 sec
		Q3: Which English speaking country does this flag belong to?				Sill sec	
Phoolan Created 3 y Copy and share t https://play.kahoo			Q4: What does the Irish slang spotty dog mean?			3	50 sec
3531cddb6c43			Q5: If you have a blue in Australia, what do you have then?				i0 sec

30 sec

GAMIFICATION OCTALYSIS FRAMEWORK INTO PRACTICE



"SHORT FILMS ON ENDANGERED SPECIES IN THE ENGLISH-SPEAKING WORLD" **GROUP: STUDENTS FROM SECONDARY/ UPPER SCHOOL**

Objetivos:

to make students aware of problems that surround them;
to develop their oral skill.

Threatened species: nine m mountain mistfrog could jo list

Number of extinct species on EPBC fauna list will ris 20% if species added to list





The Christmas Island pipistrelle, one of 10 animals that could be added to th Photograph: Lindy Lumsden

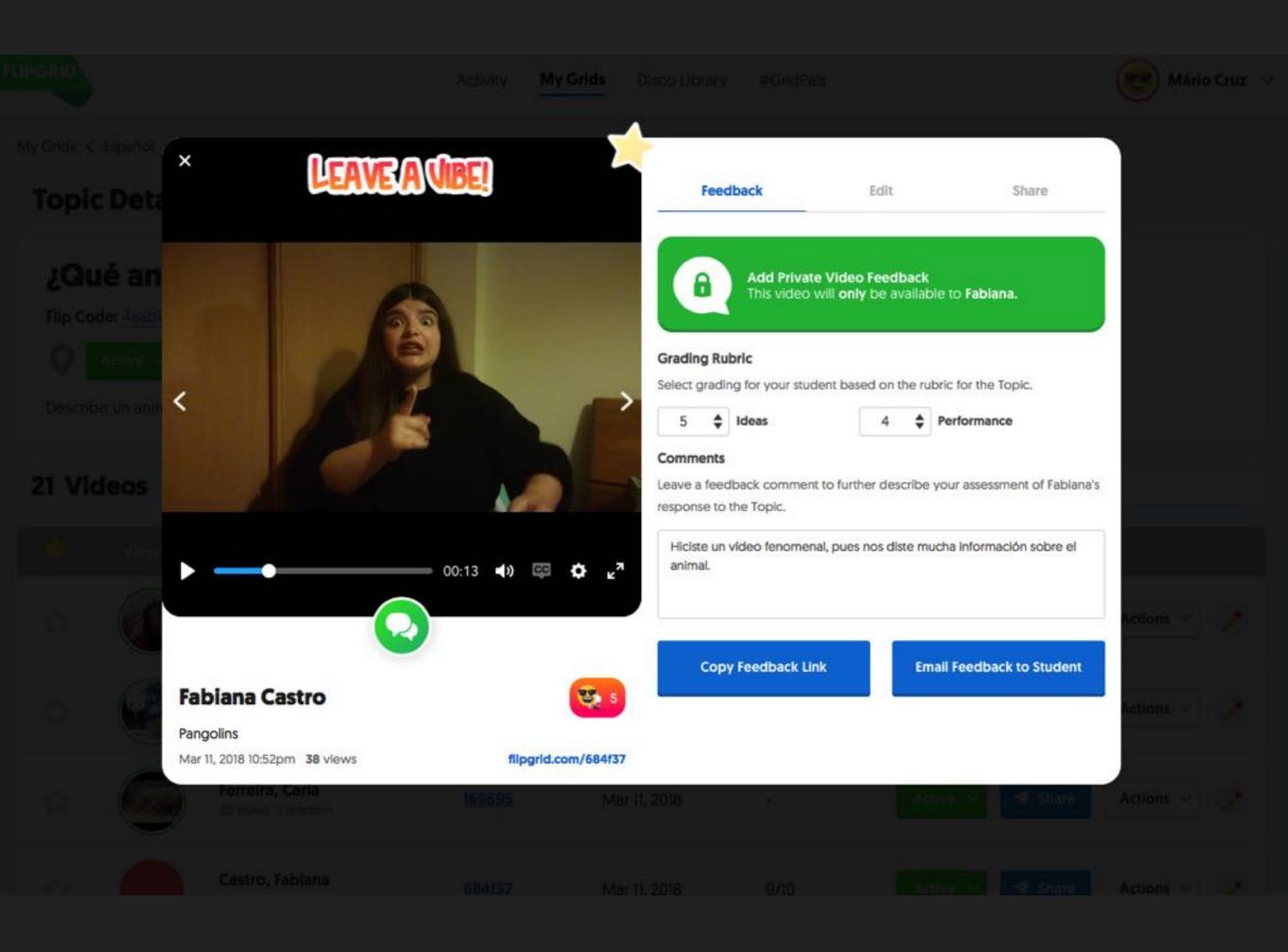
Ten species could soon be added to Australia's list of a Queensland frog that was last seen in 1990.

The federal government's scientific advisory body is add nine mammals and the **mountain mistfrog** to its species considered extinct under the Environment P Biodiversity Conservation Act.

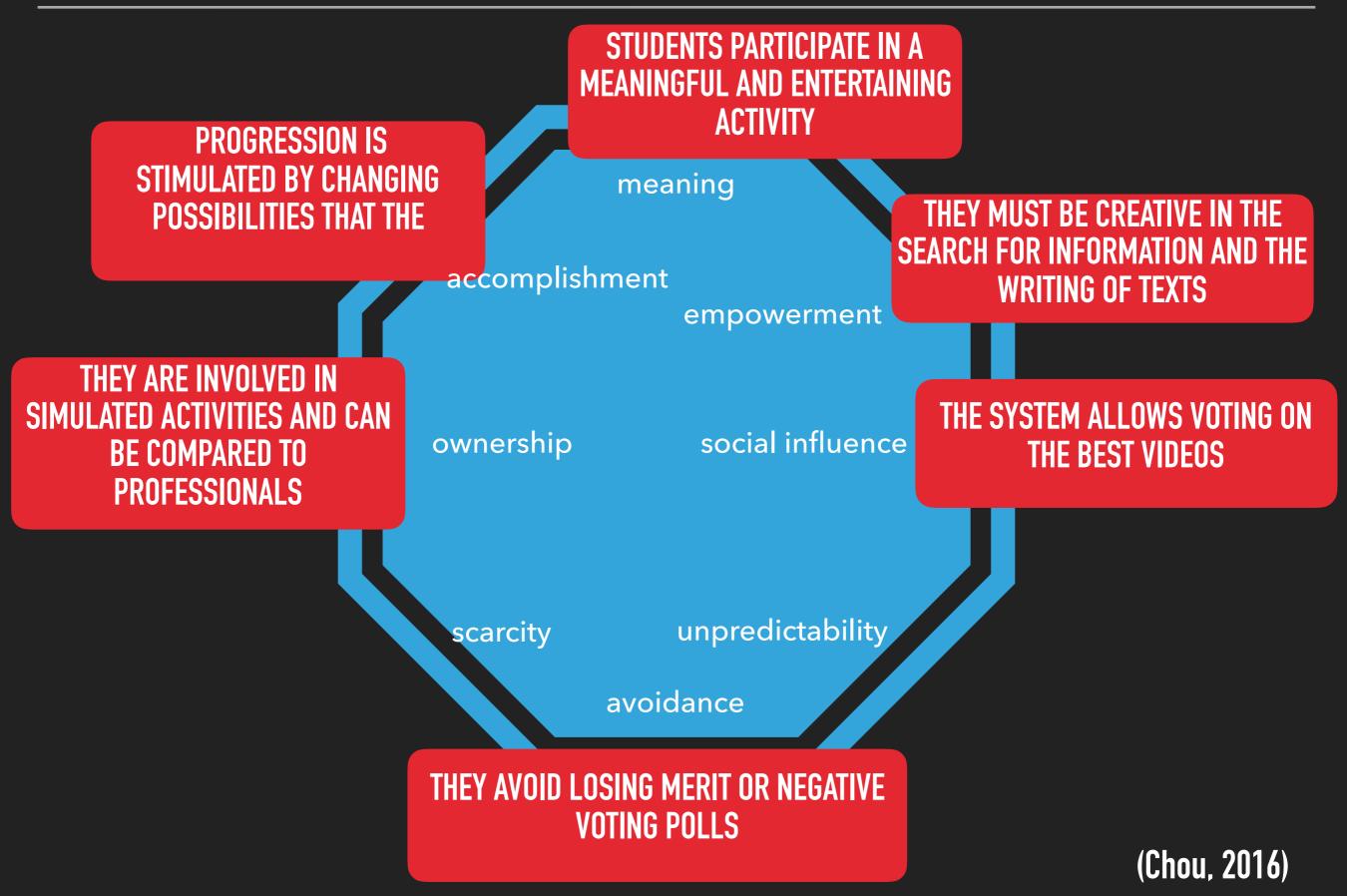
STUDENTS SEARCH FOR INFORMATION ON THE TOPIC; STUDENTS CREATE AND TRAIN THEIR ORAL PRESENTATION;

3. THEY ACCESS THE FLIPGRID WEBSITE AND RECORD THEIR VIDEO THROUGH THEIR MOBILE PHONE OR TABLET.

*	Viewed	Name - Last First	Flip Code	Date ↓	Feedback	Activity
☆		Arada, Nuno 17 views 2 reactions	<u>9b959f</u>	Mar 12, 2018		Active V Actions V
☆		Ferreira, Carla 24 views 1 reaction	169695	Mar 11, 2018	-	Active V Actions V
		Castro, Fabiana 18 views 1 reaction	<u>684f37</u>	Mar 11, 2018	-	Active V Actions V
		Carvalho, Soraia 43 views 4 reactions	<u>6cb6b0</u>	Mar 11, 2018	-	Active V Actions V
		Machado, Leonor 23 views 2 reactions	c2ab6a	Mar 11, 2018	-	Active V Actions V
		Cerqueira, João 25 views 0 reactions	<u>f55445</u>	Mar 11, 2018	•	Active V Actions V
~		Rocha, Maria Teresa	232723	Mar 11, 2019		Active X Actions X



GAMIFICATION OCTALYSIS FRAMEWORK INTO PRACTICE

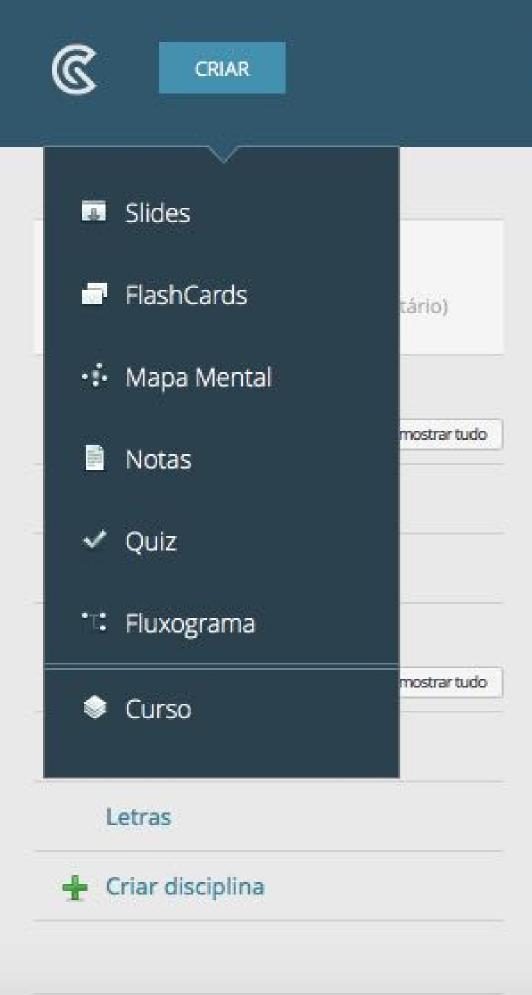


"MIND MAPS"

GROUP: STUDENTS FROM ALL LEVELS

Aims:

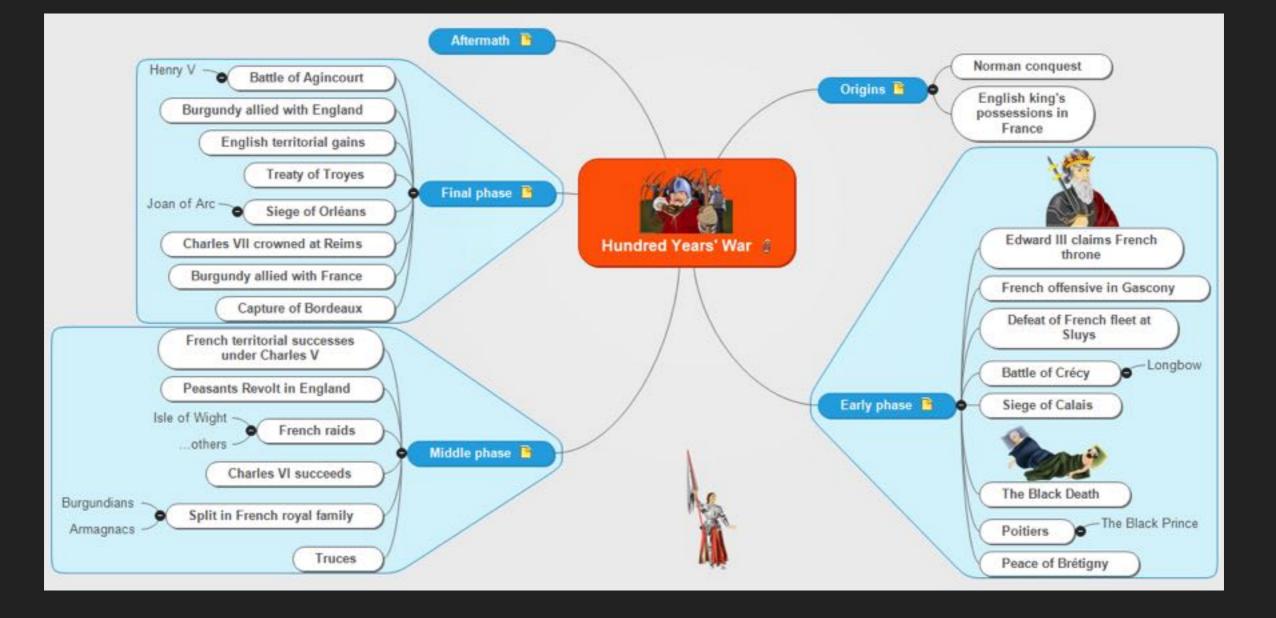
- to make students aware of the importance of phraseology;
- to increase your knowledge about the lexicon and phraseological expressions.



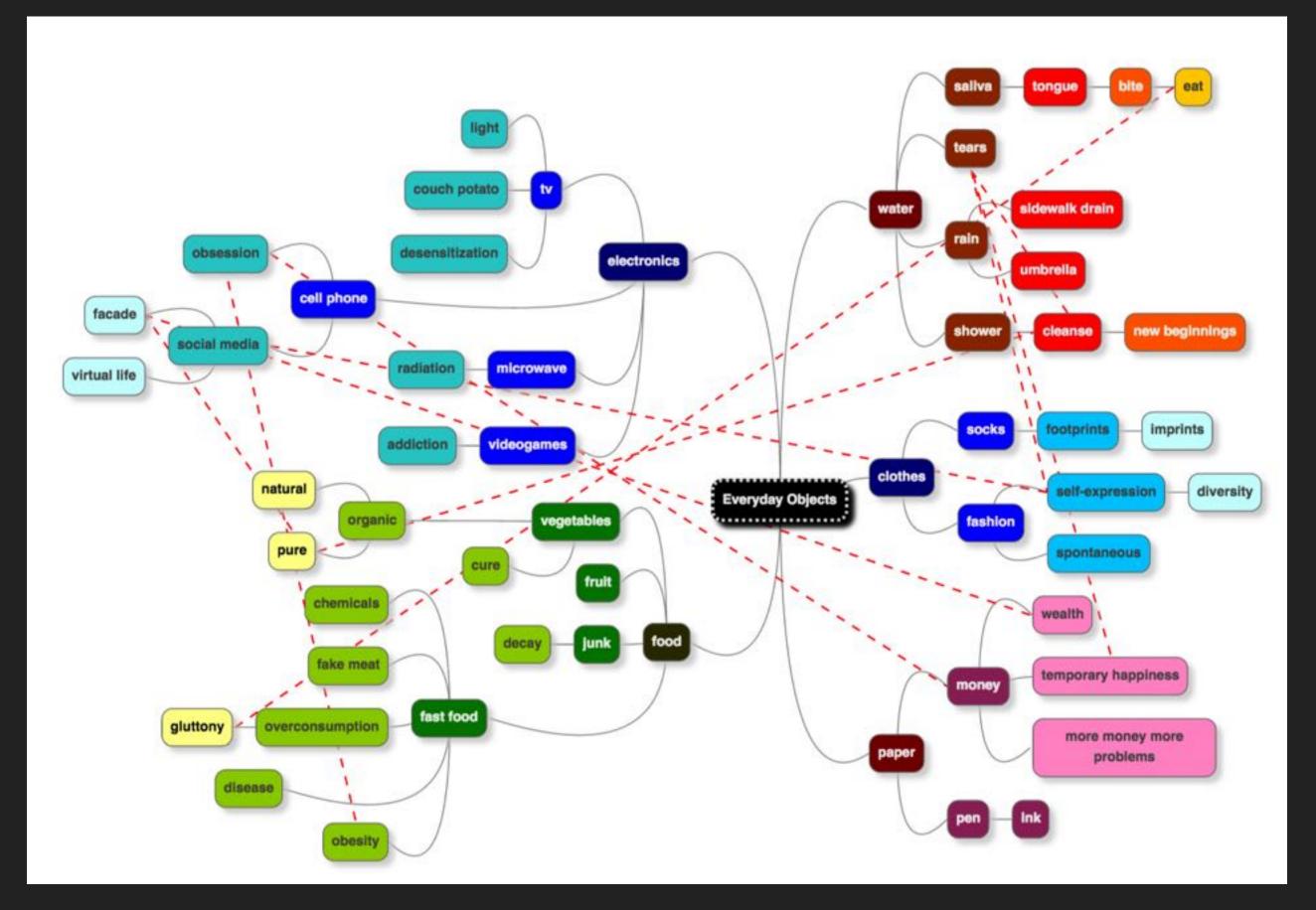
WHAT IS IT?

GOCONQR IS A PERSONAL LEARNING **ENVIRONMENT THAT** ALLOWS STUDENTS & TEACHERS TO CREATE, **DISCOVER AND SHARE** LEARNING **RESOURCES**.

EXAMPLE



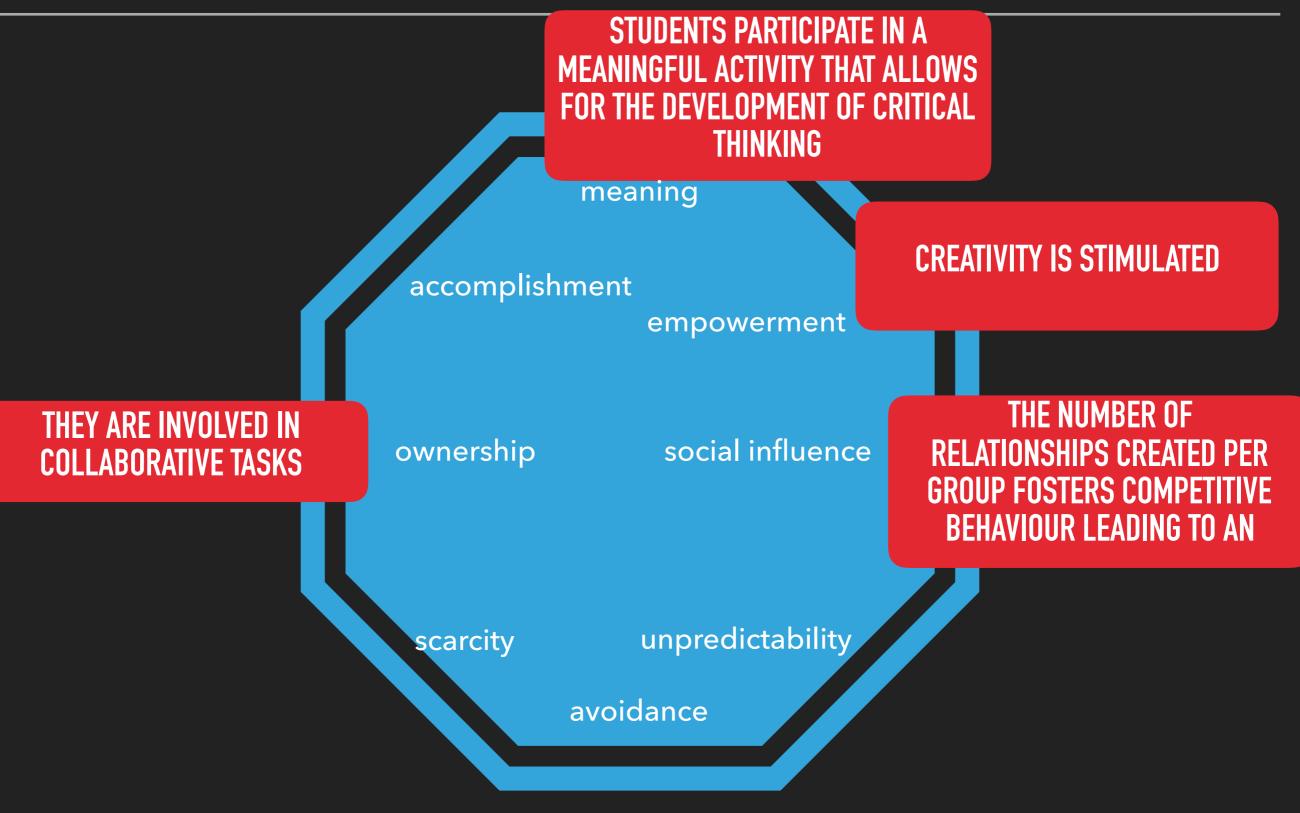
BUBBL.US



COGGLE.IT



GAMIFICATION OCTALYSIS FRAMEWORK INTO PRACTICE



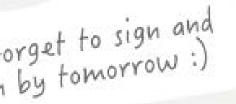
(Chou, 2016)

OTHER APPS





irst day of school!



SION SLIP



HOW DOES IT WORK?

Friendly remin Science project Fri - ask your how it's going!



PARENTS CAN SEE HOW THEIR CHILD IS DOING, PLUS TEACHERS CAN SHARE PHOTOS. VIDEOS. AND ANNOUNCEMENTS **INSTANTLY FROM** CLASS.



WHAT IS IT?

CLASSCRAFT IS A BEHAVIORAL GAME YOU PLAY WITH YOUR PUPILS THROUGHOUT THE YEAR.





WHAT DO YOU NEED?

ALL YOU NEED TO PLAY IS A COMPUTER AND A PROJECTOR.



HOW DOES IT WORK?

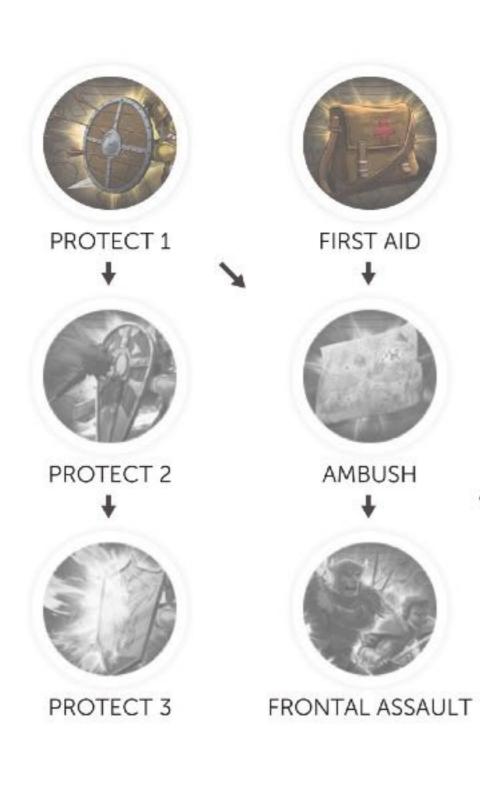
EVERY PUPIL CHOOSES A CHARACTER: WARRIOR MAGE HEALER



HOW DOES IT WORK?

YOU PUT PUPILS INTO TEAMS OF 5-6 ELEMENTS, AND EACH TEAM HAS WARRIOR, MAGE OR HEALER.

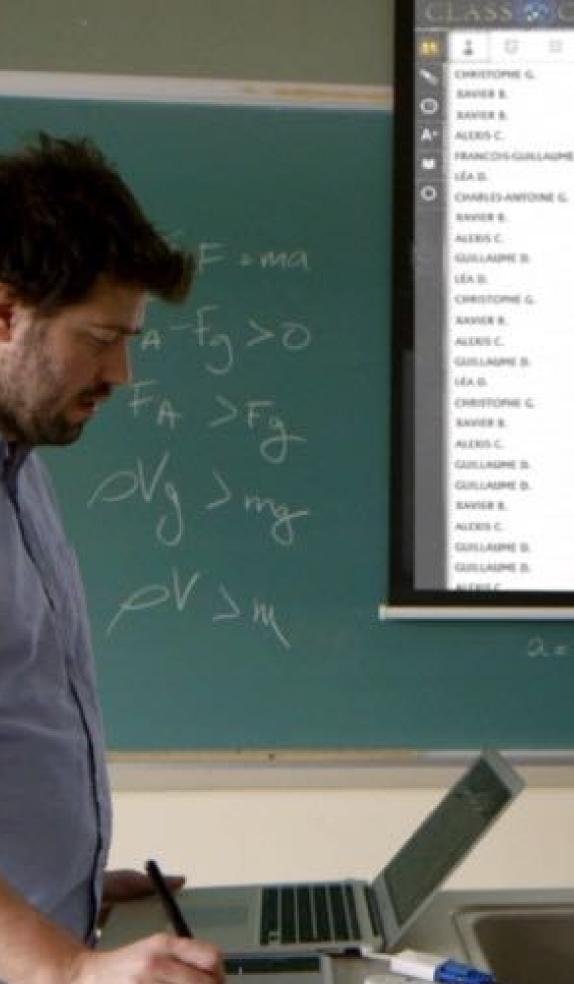
Learn Powers



HOW DOES IT WORK?

OVER TIME PUPILS LEVEL UP AND EARN POWERS.

POWERS CAN BE PERSONAL OR ACADEMIC PRIVILEGES.



HOW DOES IT WORK?

THEY ALSO LOSE POWERS.



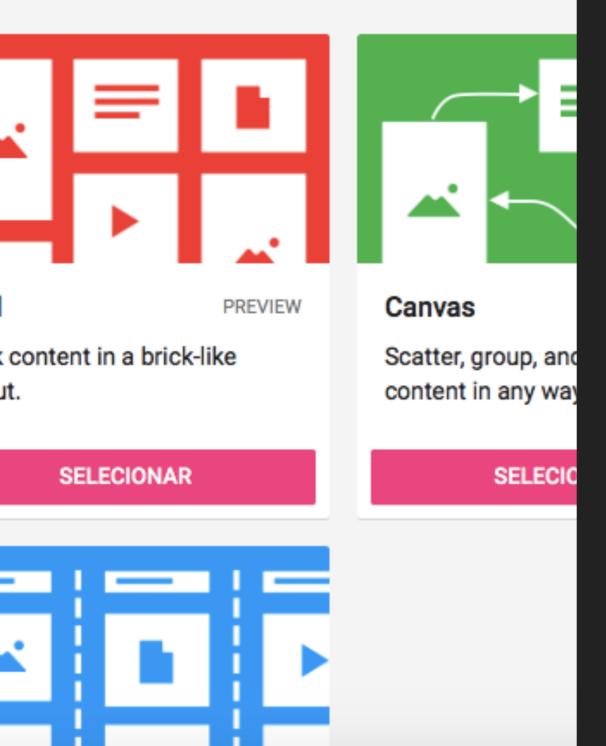
HOW DOES IT WORK?

HAVE BATTLES (POP QUIZZES)!



ething new

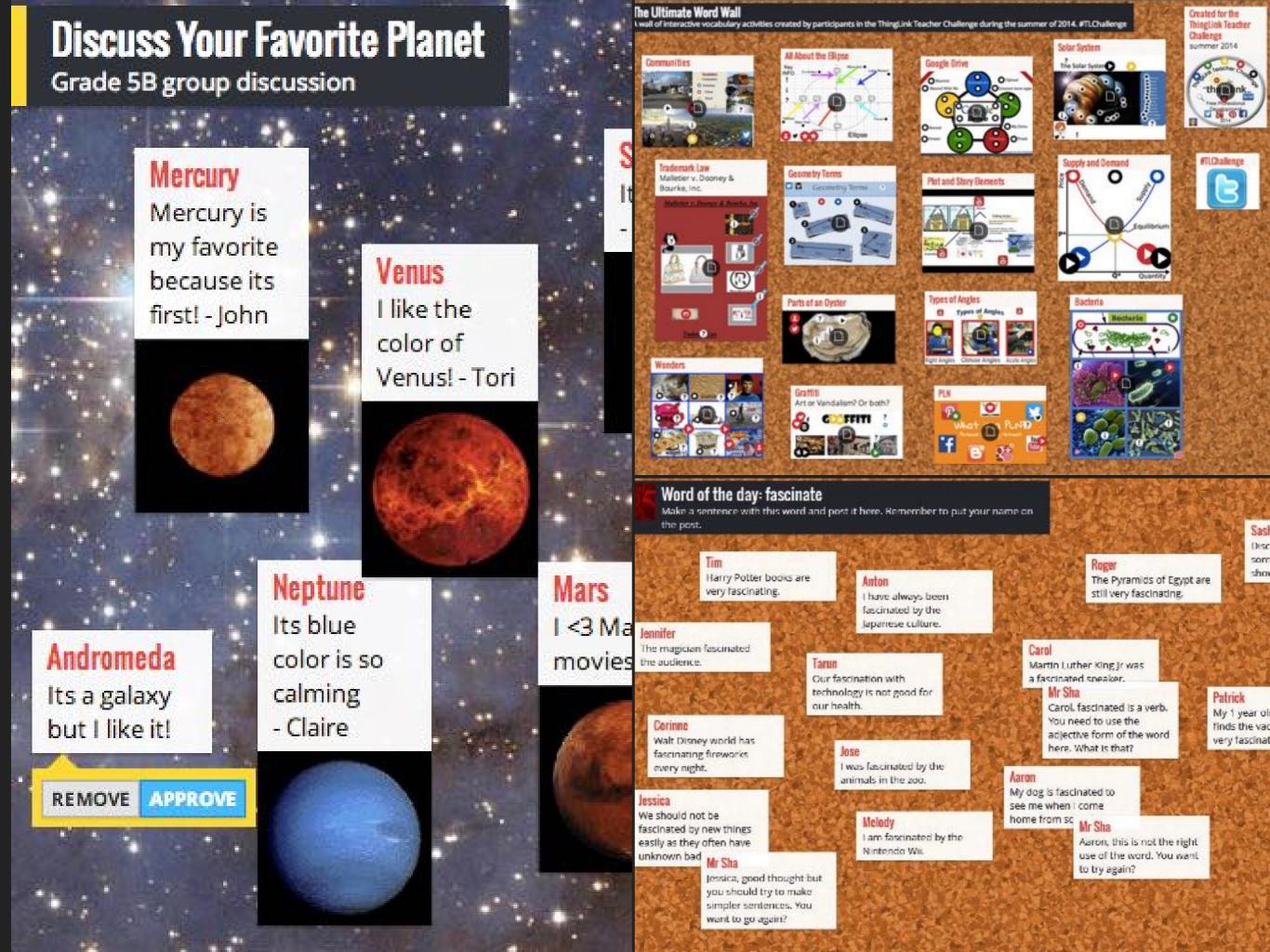
with a blank ...



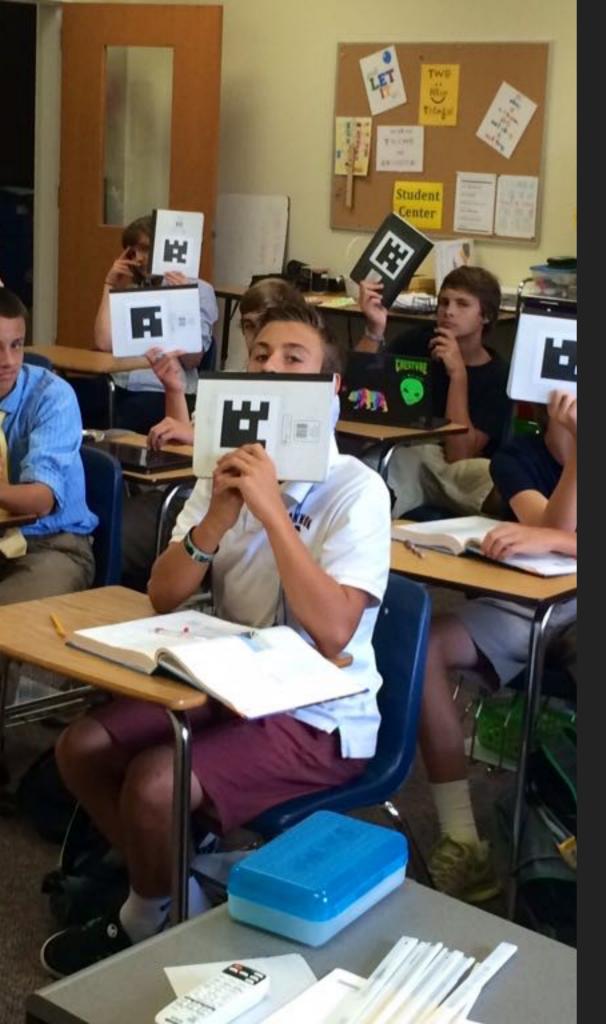
WHAT IS IT?

PADLET IS AN ONLINE VIRTUAL "BULLETIN" BOARD, WHERE STUDENTS AND TEACHERS CAN COLLABORATE, REFLECT, SHARE LINKS AND PICTURES, IN A SECURE LOCATION.

PADLET ALLOWS USERS TO CREATE A HIDDEN WALL WITH A CUSTOM URL. PADLET CREATORS CAN ALSO MODERATE POSTS, REMOVE POSTS, AND MANAGE THEIR BOARD 24/7.

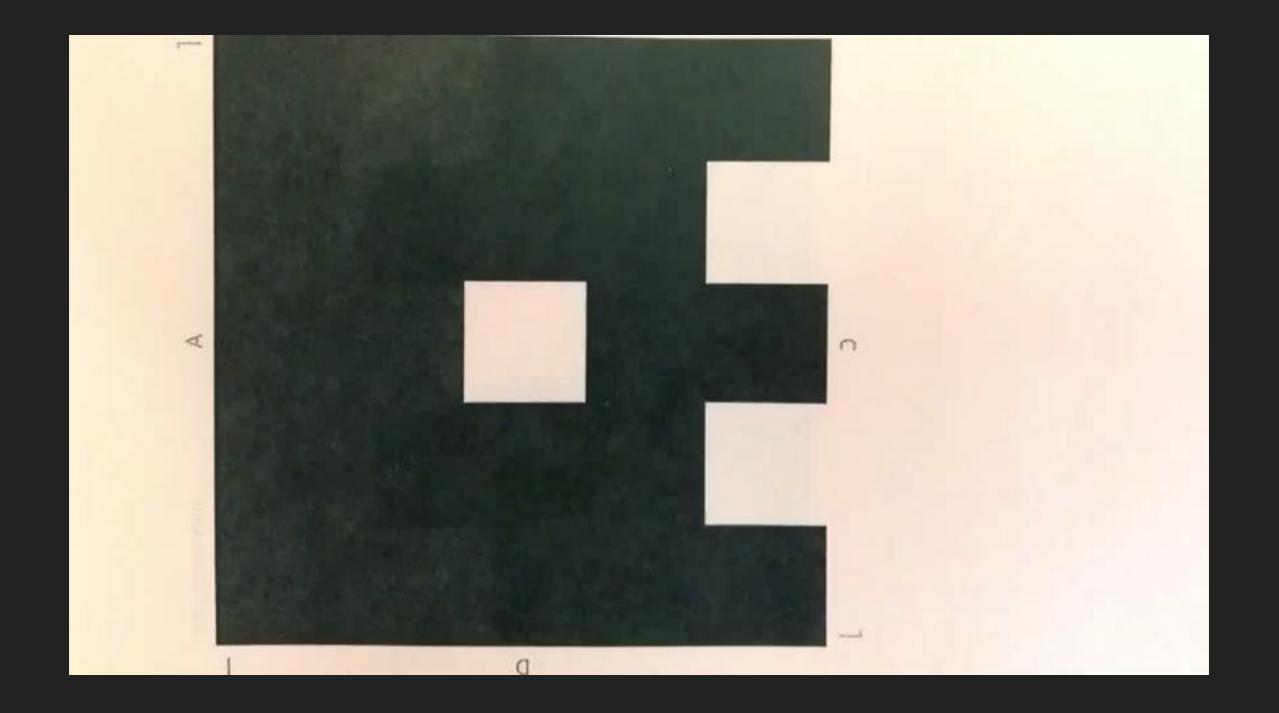






WHAT IS PLICKERS?

IT IS A SIMPLE TOOL THAT LETS TEACHERS COLLECT REAL-TIME FORMATIVE ASSESSMENT DATA WITHOUT THE NEED FOR STUDENT DEVICES.





EXAMPLE

HTTPS:// PLICKERS.COM

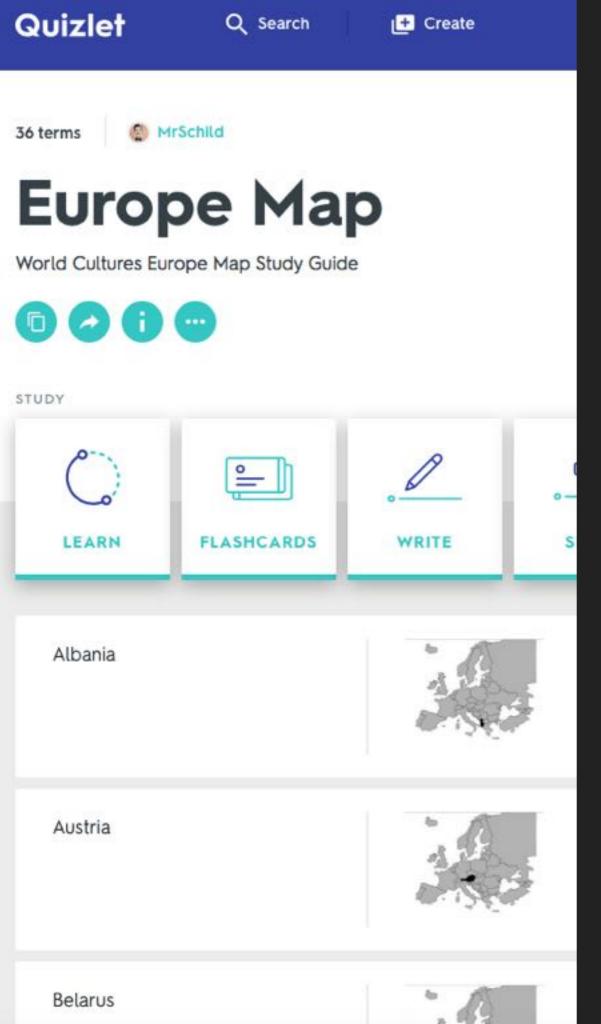


Study any subject on the go

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← Set		itals				
50 terms 8 asu U.S. State C						
NEW C: LEARN		and the second second				
WRITE						
Study	all	Study 4				
Alabama	Montgon	nery •	0 ☆			
Alaska	Juneau		0 ★			
Arizona	Phoenix		0 ☆			
Arkansas	Little Roc	k	0 ★			

WHAT IS IT?

QUIZLET MAKES SIMPLE LEARNING TOOLS THAT LET YOU STUDY ANYTHING. START LEARNING TODAY WITH FLASHCARDS, GAMES AND LEARNING TOOLS



EXEMPLO

HTTPS:// QUIZLET.COM/ 4084226/EUROPE-MAP-FLASH-CARDS/



GET QR CODE GENERATOR PRO

Create your QR c

	URL	<u></u>	VCard		Text		@	E
Apr.	App s	tores		Image	S	(mile III)	Mu	lti
We	ebsite	(URL)						

http://www.example.de

Static O Dynamic (What does dynamic)

Create QR code

WHAT IS IT?

THE QR CODE GENERATOR LETS STUDENTS ACCESS THROUGH THE CAMERA FROM THEIR MOBILE PHONE OR TABLET AN INTERACTIVE PAGE WITH TEXT, SOUND AND / OR VIDEO.

IT CAN BE USED FOR GUIDED RESEARCH OR VERIFICATION OF HYPOTHESES.



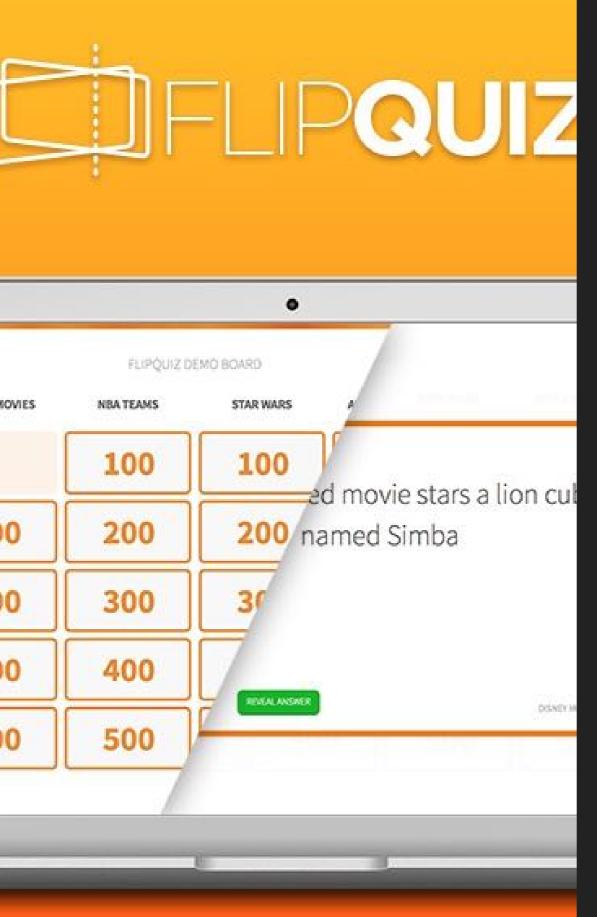
EXEMPLOS

IN THESE EXAMPLES STUDENTS CAN:

-ACCESS INFORMATION RELATED TO OPHELIA HURRICANE;

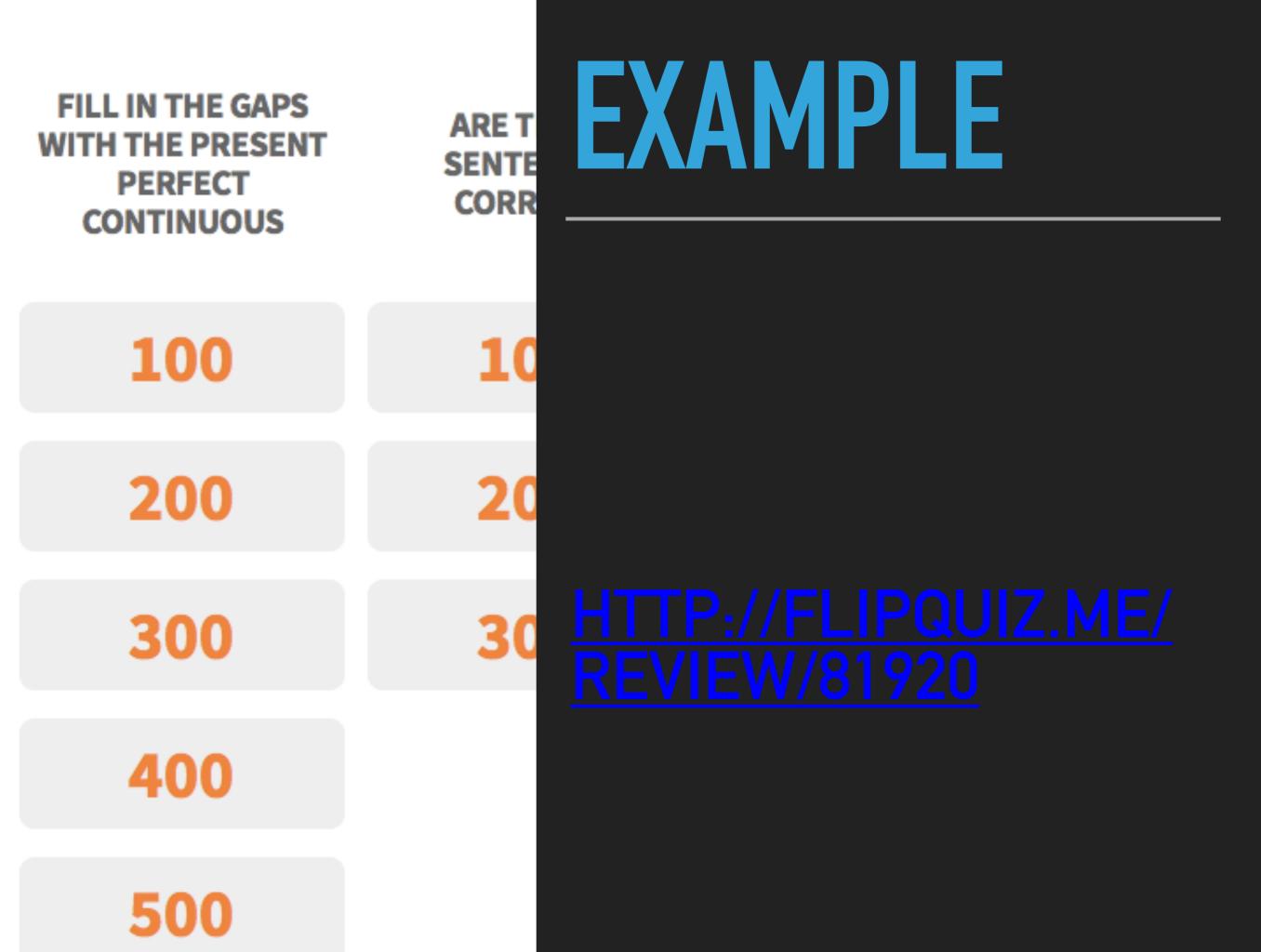
-SEE VIDEOS RELATED TO THE TOPIC; -SOLVE HOMEWORK.

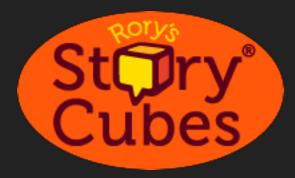


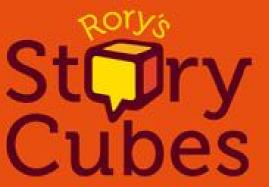


IPQUZ WHAT IS IT?

IT IS A SITE DESIGNED TO MAKE IT EASY FOR TEACHERS TO CREATE AND DISPLAY JEOPARDY-STYLE REVIEW GAMES.







CubesShake to roll
the cubes



Pinch and twist to rotate the cubes



Pinch and hold to re-roll a single cube.

www.storycubes.com

© 2009-2015 The Creativity Hub Ltd.

WHAT IS IT?

IT IS AN APPLICATION THAT ENCOURAGES CRITICAL THINKING AND PROBLEM SOLVING.

VIRTUAL DICE ARE USED AND STUDENTS HAVE TO USE THE CONCEPTS TO CREATE THEIR STORY.



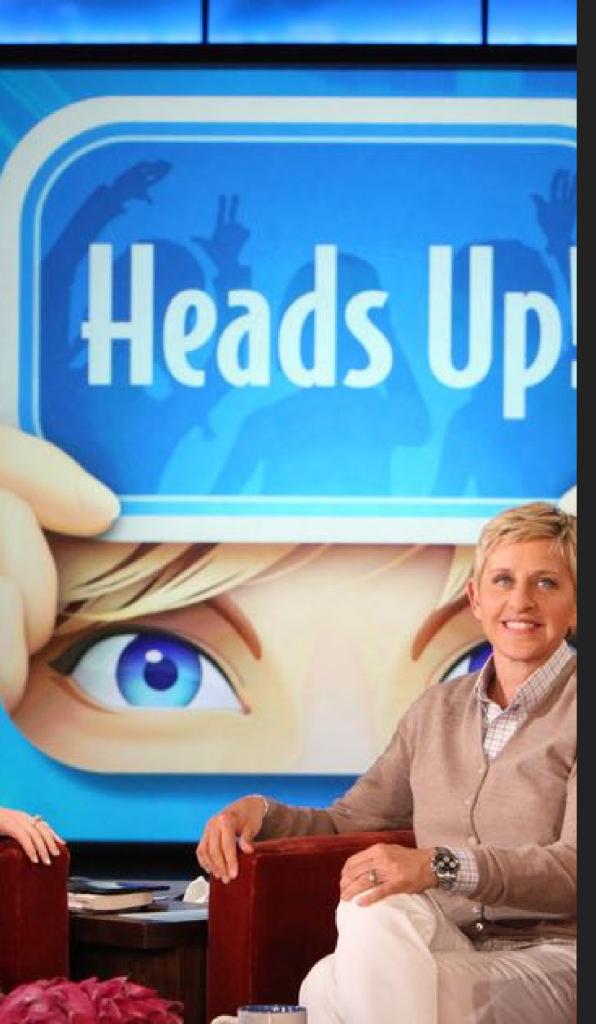
EXAMPLE

IT IS NECESSARY:

TO GIVE VERY PRECISE INSTRUCTIONS TO THE STUDENTS (ELEMENTS TO INCLUDE IN THE TEXT, MAXIMUM NUMBER OF WORDS, ETC.);

TO EXPLORE THE UNDERSTANDING OF CONCEPTS BEFORE MOVING ON TO WRITING.





WHAT IS IT?

HEADS UP! IS THE FUN AND HILARIOUS NEW GAME THAT ELLEN DEGENERES PLAYS ON HER SHOW AND NOW YOU CAN PLAY IT WITH YOUR STUDENTS



Justin Timberlak

HOW DOES IT WORK?

FROM NAMING CELEBRITIES, TO SINGING, TO SILLY ACCENTS -- THEY HAVE TO GUESS THE WORD ON THE CARD THAT'S ON THEIR HEAD FROM THEIR COLLEAGUES' CLUES BEFORE THE TIMER RUNS OUT!





SPOTIFY AND LANGUAGES?

E LANGUAGE

SPAN IS-

ARTIST



PLAY ON SPOTIFY

POPULAR



Lesson 1

Lesson 1

Classroom Expressions and Dialogue

SPOTIFY IS A FREE PLATFORM FOR LISTENING TO MUSIC.

BUT IT'S NOT JUST ABOUT MUSIC.

THEY ALLOW YOU TO LISTEN TO AUDIO LANGUAGE COURSES.

THEY ALSO OFFER YOU A LOT OF SONGS FOR CHILDREN.



- My Family The Laurie Berkner Band

 Love
- 2. Laurie Berkner Intro Various Artists • Laurie Berkner - Fa
- 3. Party Day The Laurie Berkner Band • Party Da
- 4. Let's Talk About Food Various Artists • Laurie Berkner - Fi
- Fruit Salad Salsa The Laurie Berkner Band

 Victor V
- 6. Name the Instruments Various Artists • Laurie Berkner - Fa
- 7. Come On In

EXAMPLE

HTTPS:// OPEN.SPOTIFY.COM/ USER/SPOTIFY4KIDS/ PLAYLIST/ 4MPZK6GU6VQN7U2J NY9MC1





WHAT ARE THEY?

WEBQUESTS INCREASE STUDENT MOTIVATION

WEBQUESTS ARE OFTEN COOPERATIVE IN NATURE, REQUIRING STUDENTS TO TAKE ON ROLES WHERE THEY ARE PART OF A TEAM THAT MUST ACCOMPLISH THE TASK.

CKGROUND KNOWLEDGE

HOW DOES IT WORK?

ne



O AND JULIET BACKGROUND KNOWLEDGE ebquest designed to build background knowledge for visiti

lish / Language Arts o and Juliet, setting, William Shakespeare omero

> The Public URL for this WebQ http://zunal.com/webquest.php?v



INTRODUCTION: THE INTRODUCTION IS USUALLY A SHORT PARAGRAPH THAT INTRODUCES THE ACTIVITY TO THE STUDENTS. IT OFTEN HAS A ROLE OR SCENARIO INVOLVED.

TASK: THE TASK INFORMS THE LEARNERS OF WHAT THEIR END-RESULT OR CULMINATING PROJECT WILL BE.

PROCESS:

THE PROCESS IDENTIFIES THE STEPS THE STUDENTS SHOULD GO THROUGH TO ACCOMPLISH THE TASK. IT ALSO INCLUDES THE ONLINE RESOURCES THEY WILL NEED, AND PROVIDES SCAFFOLDING FOR ORGANIZING THE INFORMATION GATHERED.

EVALUATION:

THE EVALUATION DESCRIBES TO THE STUDENTS HOW THEIR PERFORMANCE WILL BE EVALUATED, AND IS OFTEN IN THE FORM OF A SCORING RUBRIC.

CONCLUSION:

THE CONCLUSION SUMMARIZES WHAT THE LEARNERS WILL HAVE ACCOMPLISHED BY COMPLETING THE WEBQUEST, AND OFTEN PROVIDES ADDITIONAL OPPORTUNITIES TO EXTEND THEIR THINKING.

EXAMPLE

Welcome



ome: Your own restaurant

ription: This web quest focuses on the English **l** re tense) and vocabulary (food). The web quest is nts.

e Level: 9-12 iculum: English / Language Arts







WHAT IS IT?

ok

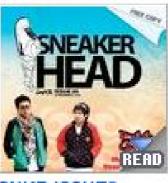
S ()



From <u>altavista</u> Viewed 67 times 184 pages



Le Magazine de la Creuse n°24, mars -...



SNKR ISSUE5

From chimnneychannel Viewed 68 times 32 pages



Le Magazine de la Creuse n°23, janvier...

IT IS A PUBLISHING PLATFORM FOR DIGITAL INTERACTIVE PUBLICATIONS

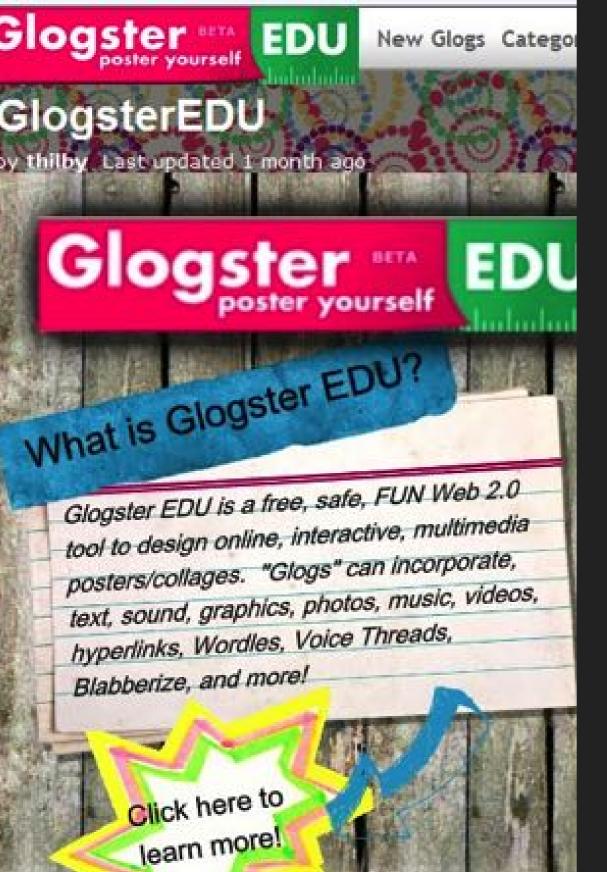
CONVERT DOCUMENTS TO BEAUTIFUL PUBLICATIONS AND SHARE THEM WORLDWIDE.

Érase una vez una joven muy bonita y muy simpática que se llamaba Mercedes. Ella siempre tuve una vida feliz desde niña hasta que se casó con un chico, Jorge, a quien amaba de verdad. Los dos tuvieran una hija pero el tiempo paró y el mundo se desmoronó cuando lo peor aconteció... Jorge tuve un accidente y se murió, dejando Mercedes y su hija solitas.

WRITING SKILLS DEVELOPMENT

HTTP:// PT.CALAMEO.COM/ READ/ 0046327193995D894F7 CC





ucators think?

WHAT IS IT?

GLOGSTER IS A CLOUD-BASED PLATFORM FOR DIGITAL STORYTELLING AND INTERACTIVE LEARNING.



WHAT IS IT FOR?

IT ALLOWS USERS TO MIX ALL KINDS O MEDIA ON A ONE VIRTUAL CANVAS TO CREATE MULTIMEDIA POSTERS.

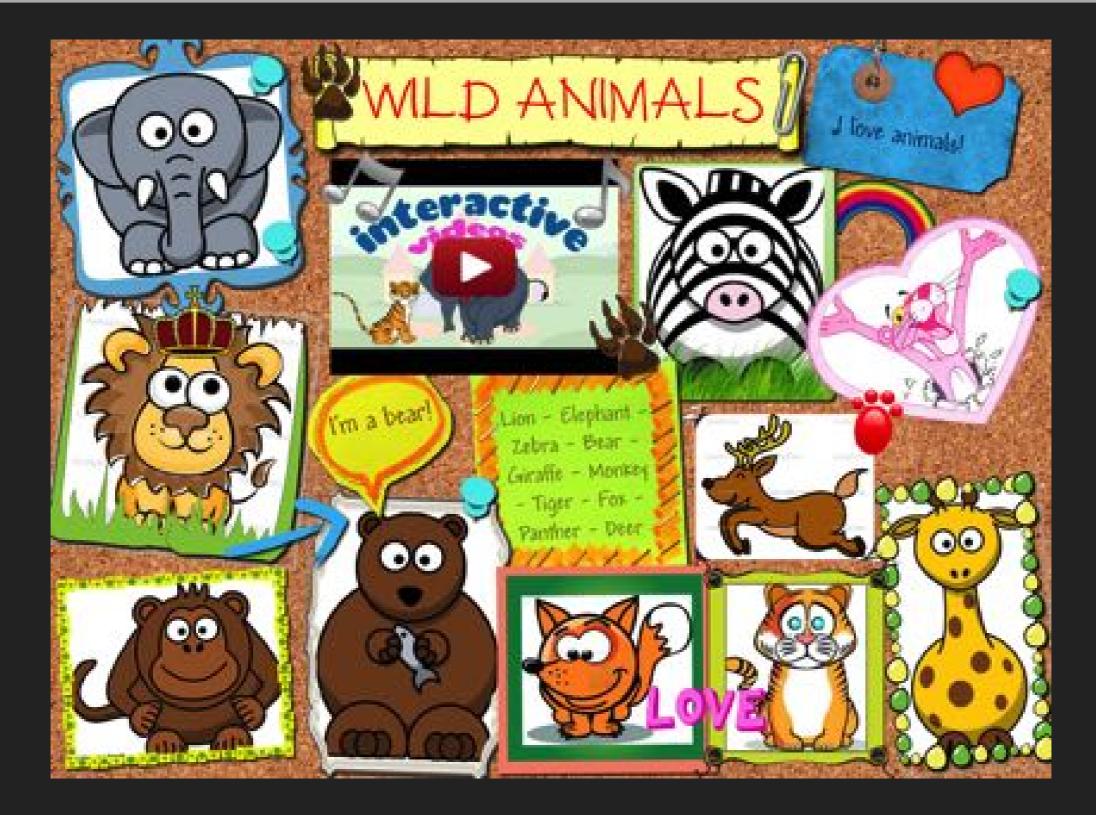
asanju.edu.glogster.com/english-varieties-and-accents/

www.glogst











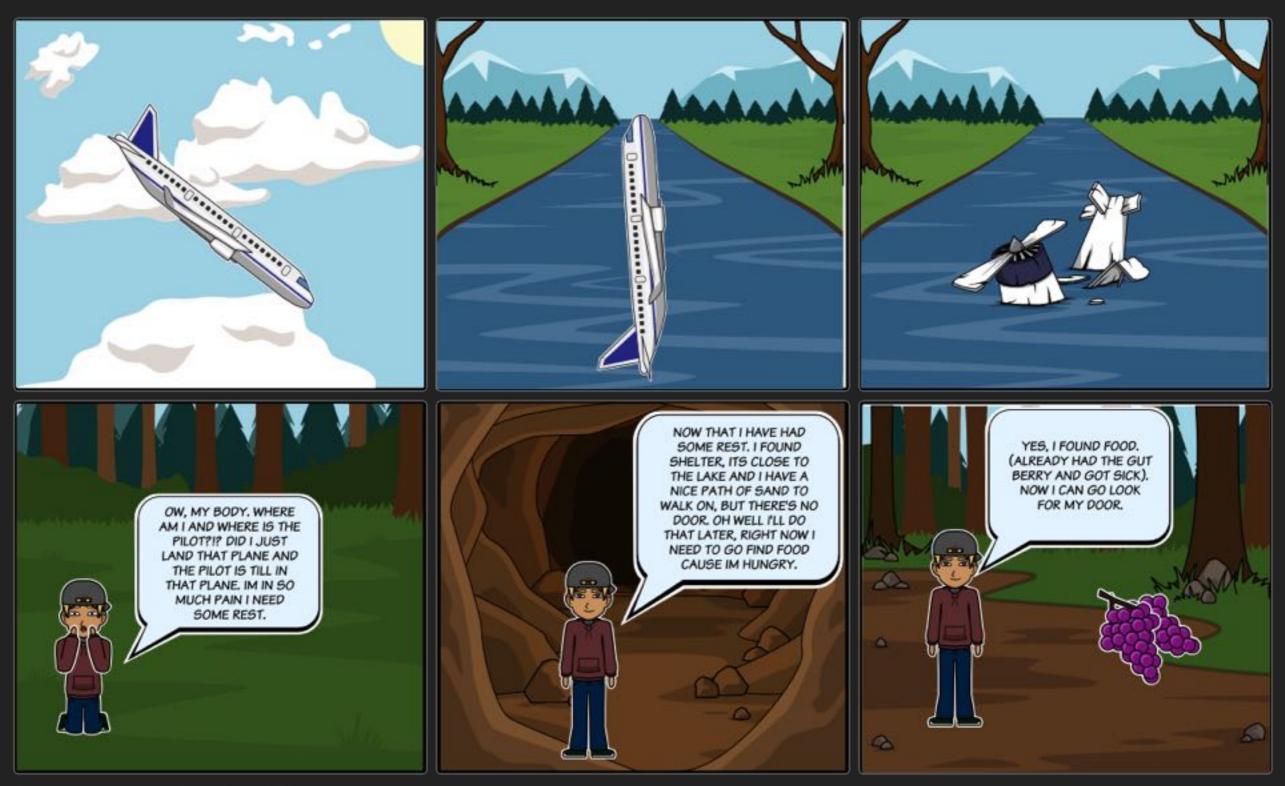


STEPS

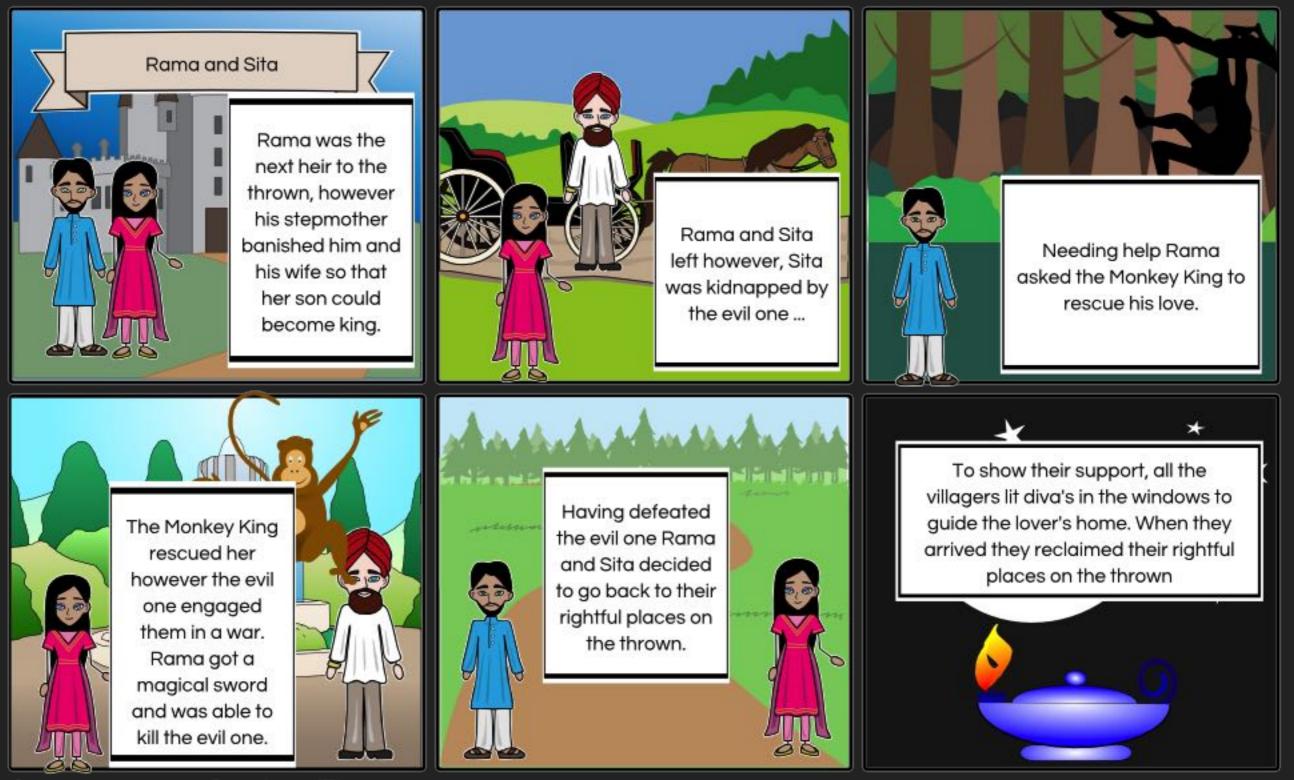
1. STUDENTS WRITE A SCRIPT: THEY COLLABORATE WRITING AND SHARING IDEAS FOR THE DIALOGUES AND ACTIONS.

2. THEY MAKE A STORYBOARD WITH THE NECESSARY PICTURES AND DIALOGUES THEY WOULD USE PER FRAME.





Create your own at Storyboard Tha



Create your own at StoryboardThat.com

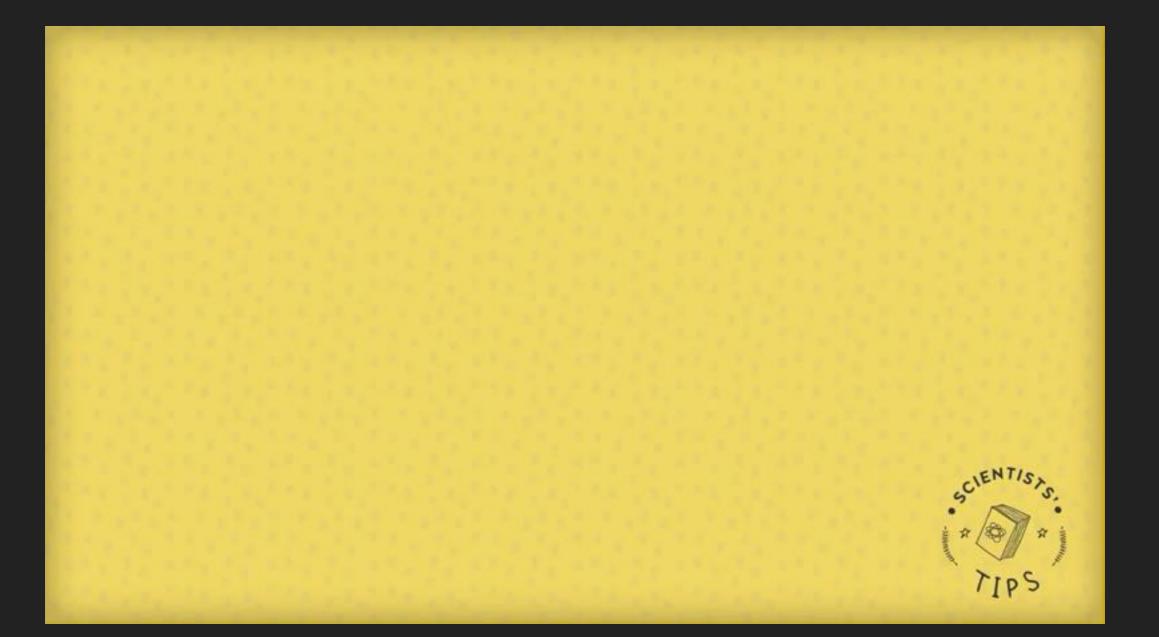




WHAT IS IT?

POWTOON IS A SAFE ENVIRONMENT FOR STUDENTS TO FULLY EXPRESS THEIR CREATIVITY THROUGH VIDEO.

HOW DOES IT WORK?









EXAMPLE

HTTP://GOANIMATE.COM/ VIDEOS/0W6P8XIRNTXM? UTM SOURCE=LINKSHA RE&UTM MEDIUM=LINK SHARE&UTM CAMPAIGN =USERCONTENT? UTM SOURCE=LINKSHA RE

OTHER PLATFORMS/ WINDOWS MOVIE MAKER/ IMOVIE







WHAT IS IT?

AR FLASHCARDS ARE A NEW WAY TO INTERACT AND MAKE FLASH CARDS MORE ENTERTAINING.



HOW DOES IT WORK?

AR FLASHCARDS ARE A NEW WAY TO INTERACT AND MAKE FLASH CARDS MORE ENTERTAINING WHEN YOU POINT YOUR DEVICE AT THE PRINTED FLASHCARD A BEAUTIFULLY RENDERED 3D ANIMAL WILL POP UP ON THE SCREEN.

TAP THE ANIMAL TO HEAR THE LETTER AND ANIMAL NAME.



WHAT CAN I DO?

PLANETS, ANIMAL SOUNDS AND NAMES MATHS (ADDITION AND SUBTRACTION) COLOURS



A 360° world

where the story unfolds all around you.

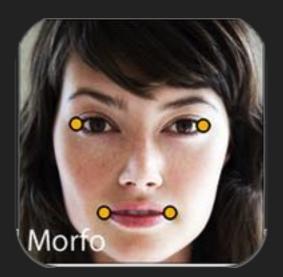


WHAT IS IT?

GOOGLE SPOTLIGHT STORIES MEANS STORYTELLING FOR VR.

ARTISTS AND TECHNOLOGISTS MADE IMMERSIVE STORIES.

YOU CAN HAVE A BRAND NEW EXPERIENCE - LOOK, LISTEN, EXPLORE...





WHAT IS IT?

MORFO CAN BE USED TO QUICKLY TURN A PHOTO OF SOMEBODY'S FACE, OBJECT OR EVEN A PAINTING INTO A TALKING CHARACTER.



SOME IDEAS

BRING A HISTORICAL CHARACTER BACK TO LIFE TO TALK ABOUT THEIR LIFE.

BRING A BOOK CHARACTER TO LIFE TO TALK ABOUT HIS/HER STORY.

USE A PHOTOGRAPH OF A POLITICIAN TO TALK ABOUT ISSUES YOU ARE PASSIONATE ABOUT.

ANIMATE AN ANIMAL AND LET THEM EXPLAIN HOW THEY HAVE ADAPTED TO SURVIVE.

USE TO TALK ABOUT PHYSICAL AND CHARACTER DESCRIPTION.

SUMMING UP Some Ideas



GAMIFICATION IS NOT ABOUT MAKING SOMETHING INTO AGAME



FLIPPED CLASSROOM IS NOT HOMEWORK



20TIME PROJECT (GENIUS HOUR) IS **NOT ABOUT** LETING **STUDENTS ON** THER OWN

PUPILS

INQUIRERS.

THNKERS

COMMUNICATIVE

PRODUCTIVE

REFLECTIVE

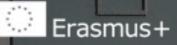
COLLABORATIVE

C R E ATIVE

EMOTION

EMOTION²+(H)APPY TEACHING=LEARNING²

P.PORTO



INTER NETWORKING Seminar

MÁRIO CRUZ

ASSOCIATE PROFESSOR, POLYTECHNIC OF PORTO - SCHOOL OF EDUCATION RESEARCHER, INED - CENTRE FOR RESEARCH AND INNOVATION IN EDUCATION HEAD OF THE INTERNATIONAL RELATIONS OFFICE

MARIOCRUZ@ESE.IPP.PT

THANK YOU!