



Technology-Enhanced Task Engagement

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A Question

How might instructors best use **technology** to help learners achieve?

An Answer

Make sure that technology use supports **engaged learning**.



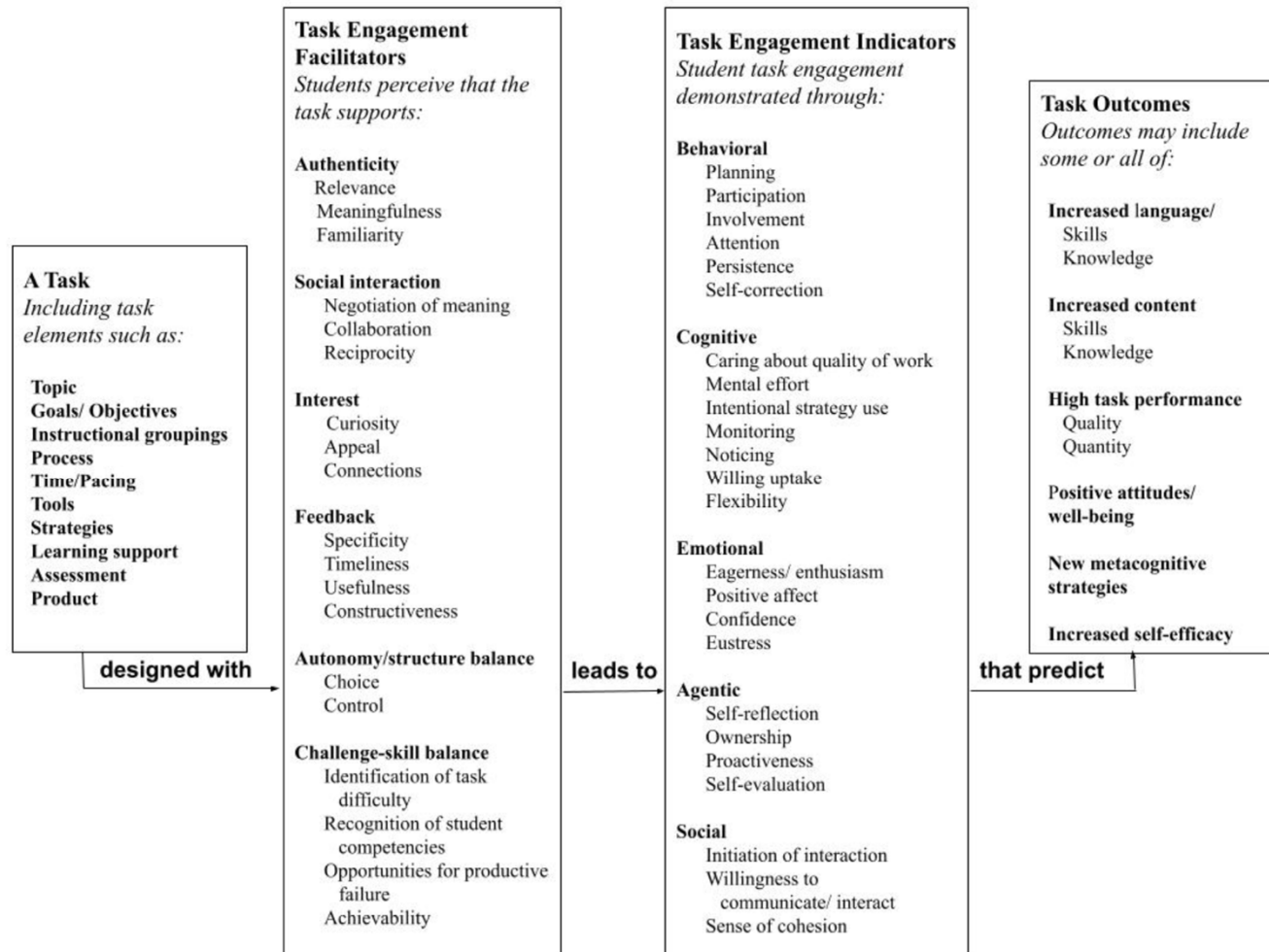
Task Engagement

Task engagement is deep multidimensional involvement in an activity that has

- a clear beginning and end,
- specific goals, and
- a process for meeting those goals that leads to increased achievement.



Comprehensive Model of Task Engagement



Egbert et al., 2022

Simplified Model

Simplified Model of Student Task Engagement



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Task Engagement Facilitators

Students perceive that the task supports:

1. Authenticity

- Relevance
- Meaningfulness
- Familiarity

2. Social interaction

- Negotiation of meaning
- Collaboration
- Reciprocity

3. Interest

- Curiosity
- Appeal
- Connections

4. Feedback

- Specificity
- Timeliness
- Usefulness
- Constructiveness

5. Autonomy/structure balance

- Choice
- Control

6. Challenge-skill balance

- Identification of task difficulty
- Recognition of student competencies
- Opportunities for productive failure
- Achievability



Ask yourself...

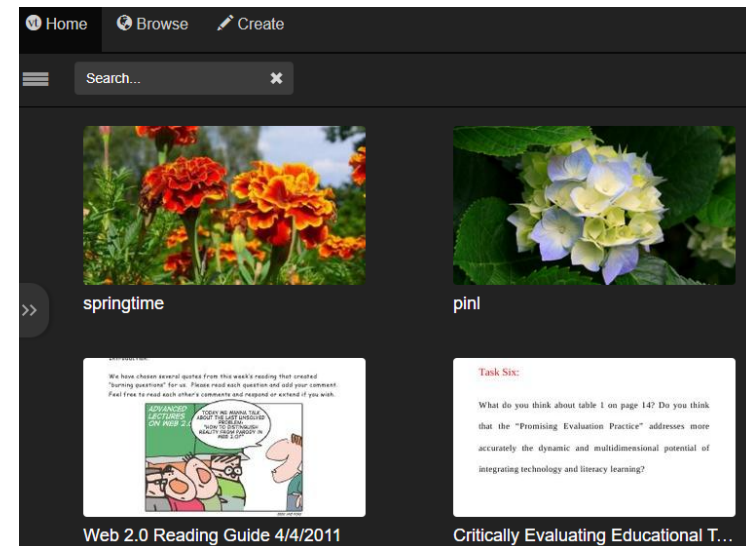
1. Does the way I currently use technology in my instruction support student engagement?

Examples:

Kahoot



Voicethread



Ask yourself...

2. What are some simple ways I can use technology to engage students?

Example:

Perusall

The screenshot displays the Perusall web application interface. On the left is a sidebar with navigation options: My Courses, Course home, Settings, Student view, Notifications (indicated by a red badge), Notes, and Add to my calendar. Below these are sections for Content (Library), Assignments, Chats, Groups, and One-on-One. The main area shows a document titled '2022-Spr-TCH_LRN-416-PULLM-1-01-06071-Compt-assist Lang Learning > CALL Principles and Practices'. The document text includes a paragraph about students' confidence in using virtual New York City, with several phrases highlighted in purple: 'script and see the words that they are having trouble with,' 'then go back and listen to the audio to hear the', and 'pronunciation and use.' To the right of the document is a 'Current conversation' chat window. It shows a message from 'SE' saying 'Really good quick and specific feedback' and a response from 'JE' (Joy Eg) with a placeholder for a comment or question.

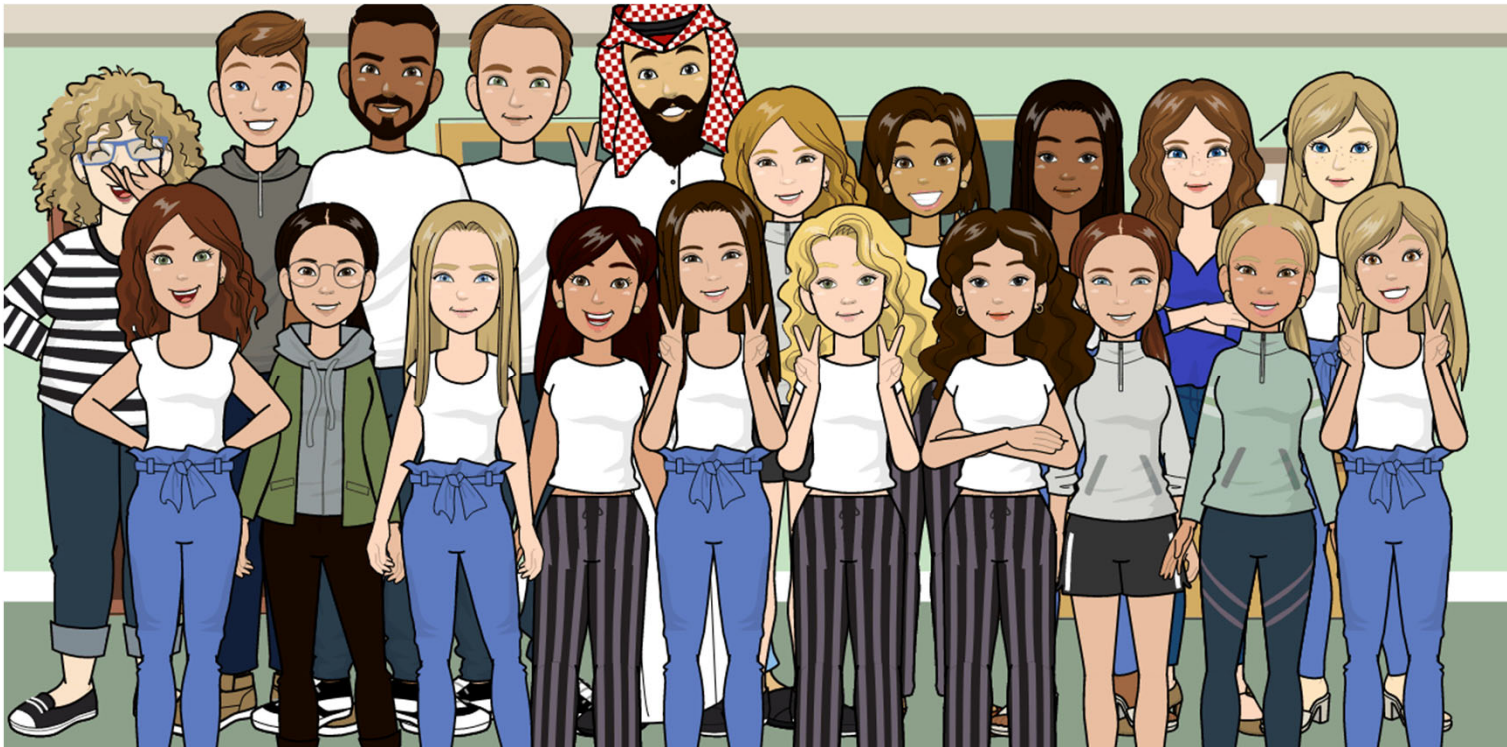
Assumptions

Techs are taught and modeled.
Reasons why are explained clearly.



Simple Examples

Building community/supporting authenticity with Pixton



Introducing a topic with memesmonkey.com



Facilitating social interaction with Padlet or Jamboard

padlet

Joy Egbert + 10 • 6mo

2 truths and a lie

More community building!

elopezcontreras 6mo

Estephanie

1. I've been to over 50 countries
2. I met my husband online
3. I once slipped and fell and broke 3 bones

7

Anonymous 6mo 3?

Anonymous 6mo 3? Maybe just two bones?

Anonymous 6mo 1?

Joy Egbert 6mo Not 50 countries.

Anonymous 6mo 3?

Joy Egbert 6mo

alesiagittins 6mo

2 truths and a lie

1. I have never left the country (US).
2. I have three siblings.
3. I have a dog named Mushu.

-Ali

8

Anonymous 6mo 1

Joy Egbert 6mo All I know for sure is that you have a son. :)

Anonymous 6mo 2

Anonymous 6mo 1

Anonymous 6mo 2

Anonymous 6mo

Taryn - 2 Truths and a lie

1. I have four older siblings
2. I have traveled to 6 countries
3. My dog only knows German commands

8

Anonymous 6mo Have not traveled to exactly 6 countries -Emily

Anonymous 6mo Countries may be more or less not exactly 6

Joy Egbert 6mo Your sibs are not all older - you're the oldest?

Anonymous 6mo 1

Anonymous 6mo

Anonymous 6mo

Kayla P

1. My hair is naturally blonde.
2. I have never broken a bone.
3. I am an only child.

7

Anonymous 6mo not a natural blonde

Anonymous 6mo You have broken a bone

Anonymous 6mo Not a natural blonde

Joy Egbert 6mo Your sister's name is Peggy.

elopezcontreras 6mo the only child?

Anonymous 6mo

Anonymous 6mo

2 truths and a lie- Ellie

- 1) I have had two bunnies in my life
- 2) I have broken a bone 3 times
- 3) I have a sister named Lucy

6

Anonymous 6mo Sister has a different name?

Anonymous 6mo Not broken a bone 3 times -Emily

elopezcontreras 6mo The bunnies?

Joy Egbert 6mo Your sister's name is Adele?

Anonymous 6mo 1

Anonymous 6mo

Anonymous 6mo

I am a Pisces
My favorite color is pink
I'm an only child
- Jacky

7

Anonymous 6mo Not a pisces

Anonymous 6mo fave color is not pink?

Anonymous 6mo Favorite color is not pink -Emily

Anonymous 6mo Virgo?

Anonymous 6mo 2

Anonymous 6mo 1

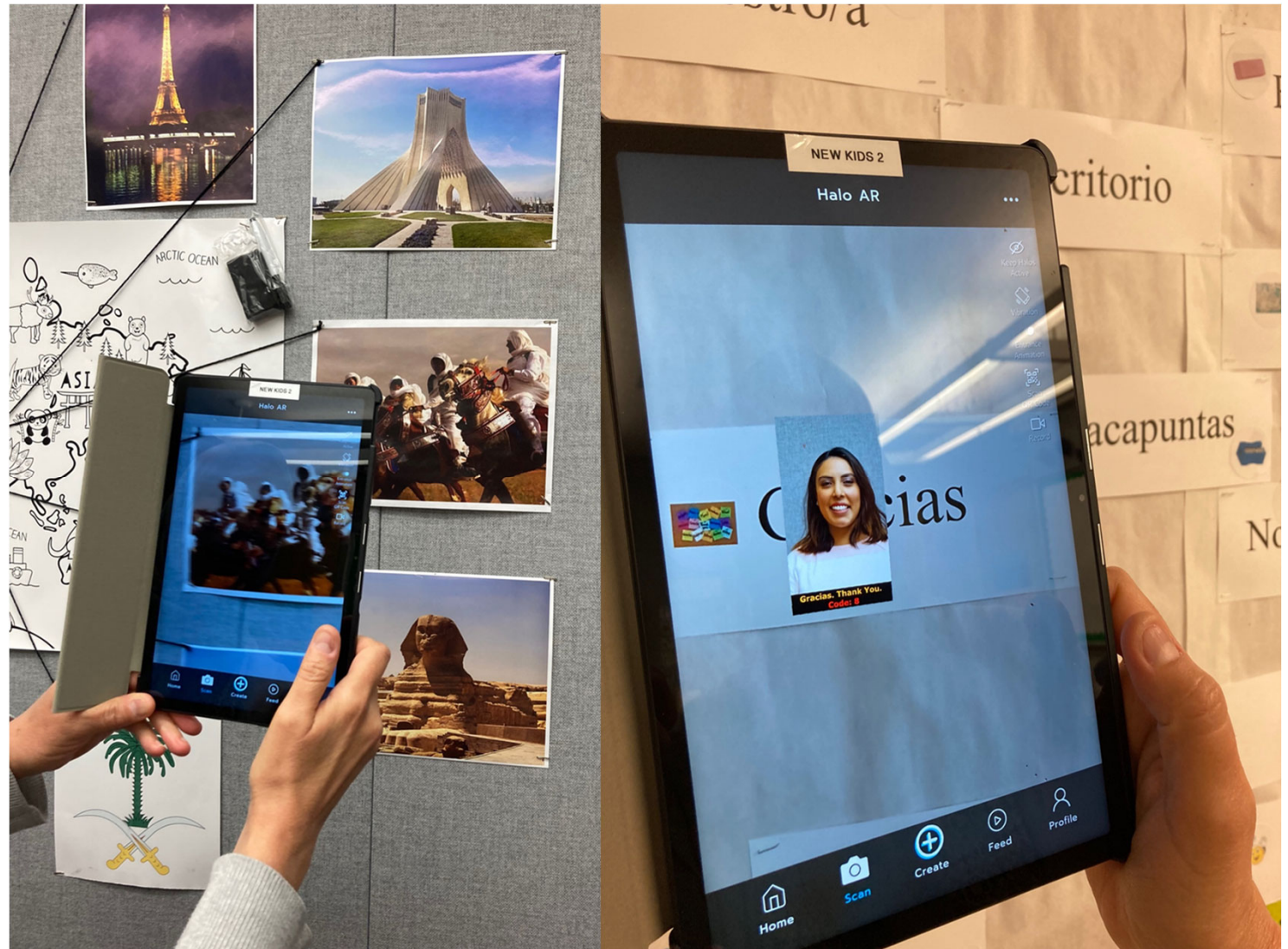


Generating interest with photo-editing apps





Providing
challenge
through
augmented
reality

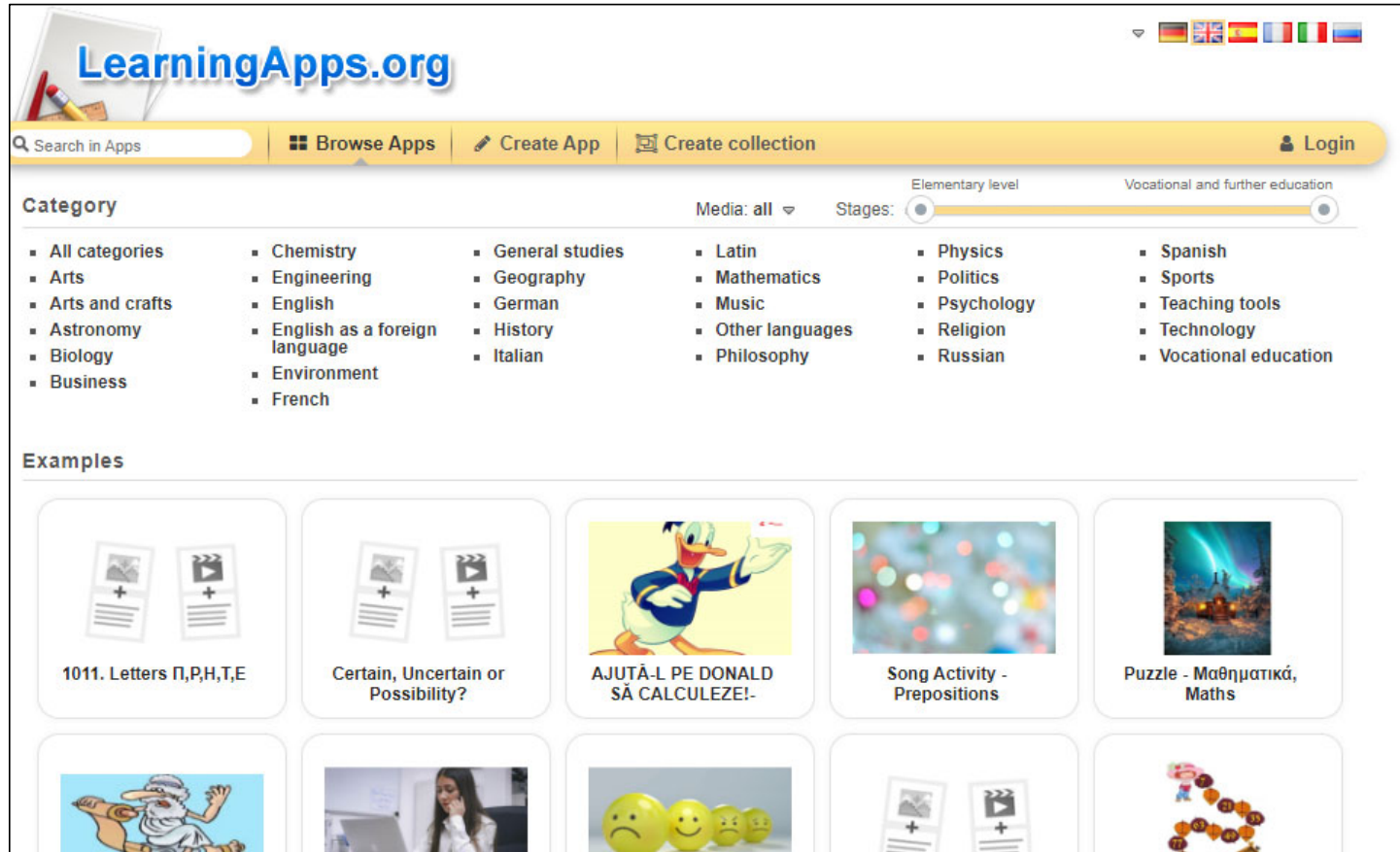




Creating challenge with black lights



Allowing for choice/autonomy with digital escape rooms/quizzes/puzzles



The screenshot shows the LearningApps.org website. At the top, there's a navigation bar with a search bar, "Browse Apps", "Create App", "Create collection", and a "Login" button. Below this, there's a "Category" section with a grid of subject-based links. To the right of the categories is a "Media" dropdown set to "all" and a "Stages" slider ranging from "Elementary level" to "Vocational and further education".

Category

- All categories
- Arts
- Arts and crafts
- Astronomy
- Biology
- Business
- Chemistry
- Engineering
- English
- English as a foreign language
- Environment
- French
- General studies
- Geography
- German
- History
- Italian
- Latin
- Mathematics
- Music
- Other languages
- Philosophy
- Physics
- Politics
- Psychology
- Religion
- Russian
- Spanish
- Sports
- Teaching tools
- Technology
- Vocational education

Examples

- 1011. Letters Π,Ρ,Η,Τ,Ε
- Certain, Uncertain or Possibility?
- AJUTĂ-L PE DONALD SĂ CALCULEZE!-
- Song Activity - Prepositions
- Puzzle - Μαθηματικά, Maths



Ideas for Discussion Session

- Stop motion/green screen/TikToks to deliver an idea
- TEDx transcripts as multimodal readings
- Action maze creation
- Random team generators
- Rubistar and other rubric makers





Thank you!