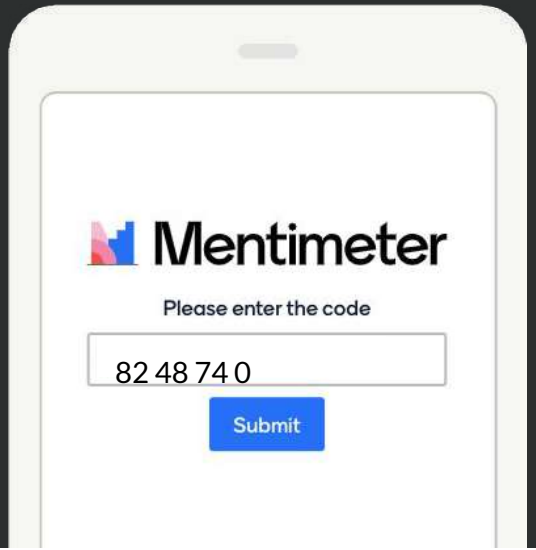
Waiting for the webinar to begin...

Please go to **menti.com**, input code

82 48 74 0

and answer the questions you see!



Formative Assessment: Improving Learning and Engaging Students

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@TahnjaWilson

November 2020

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KOGNITY

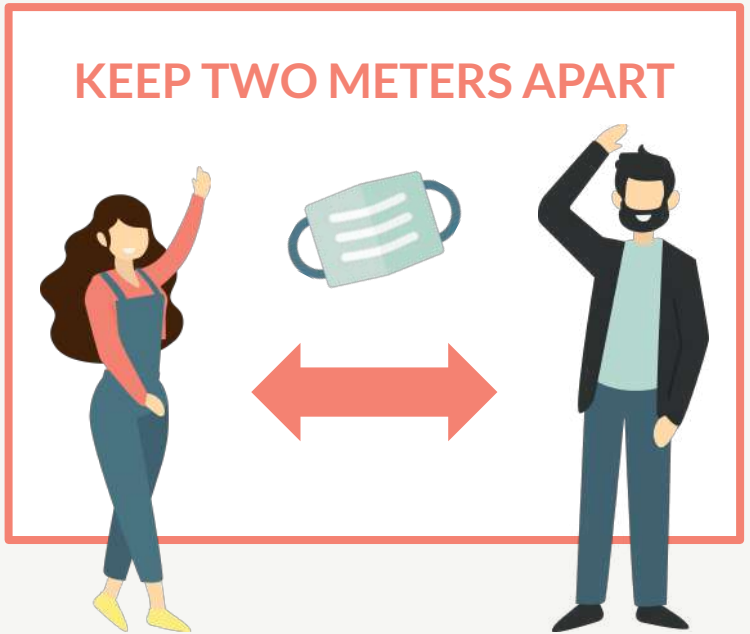
Agenda

- Assessment - What is it?
- Formative and Summative Assessment
- Importance of Feedback
- Assessment Characteristics
- Formative Assessment Tools
  - Kognity
  - Flipgrid
  - Mentimeter
  - Nearpod
  - H5p
- Additional Resources

Note: Open up a tab and go to menti.com, punch in code **82 48 74 0** and respond to the questions you see.

Assessment - What is it?

- Measure knowledge and mastery of competencies and skills
- Simple, but is it that straightforward? Does it truly gauge knowledge acquisition and mastery?



Note: Open up a tab and go to menti.com, punch in code **82 48 74 0** and respond to the questions you see.

Assessment - What is it?

Purpose

- Snapshot?
- Mastery?
- Growth?
- Flexible across learners?

- Gradated/ Yes/No, Pass/Fail?
- Return to assessment or one-time event?
- Use? For teacher or for student?

Note: Open up a tab and go to menti.com, punch in code 82 48 74 0 and respond to the questions you see.

Assessment - What is it?

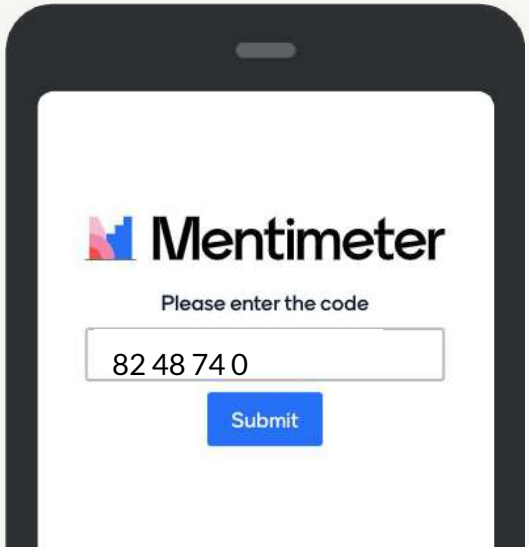
Why do you assess?

Go to

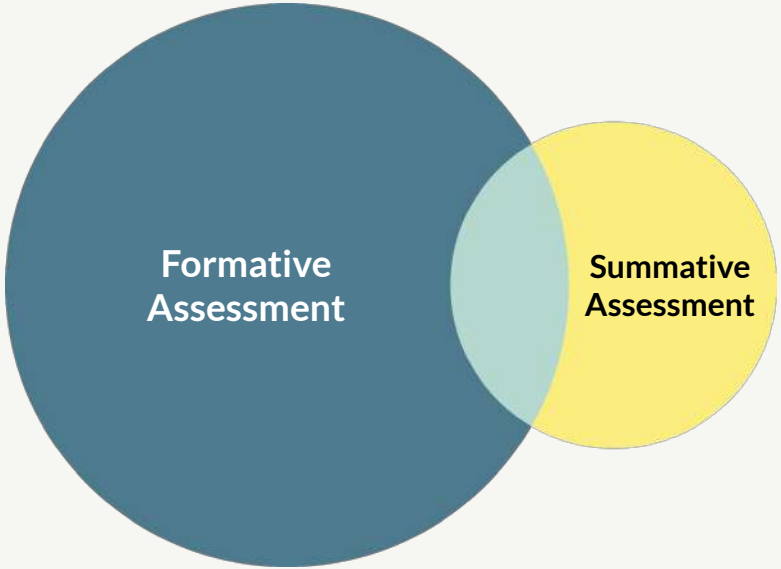
www.menti.com

Enter the code

82 48 74 0



Types of Assessment



Formative "During/ongoing Evaluation"	**Summative** "End Evaluation"
Observation, class discussion	Standardized tests
Exit slips, muddiest point, concept maps, etc.	End of unit/chapter tests
Guided practice, quizzes - knowledge checks, checklists, rubrics	Final projects (infographics, podcasts, videos, book reports, living museum, etc.)
Portfolio, journal, progress notes, research proposal (during)	Portfolio, research paper (end)

Feedback as a KEY Element of Formative Assessment

"Academic feedback is more strongly and consistently related to achievement than any other teaching behavior….This relationship is consistent regardless of grade, socioeconomic status, race, or school setting.

When feedback and corrective procedures are used, most students can attain the same level of achievement as the top 20% of students."

-- Bellon, Bellon & Blank

• To keep students on course so they arrive successfully at their predetermined destination.

-- W. Fred Miser

"It is one thing to collect feedback about students' progress, but if you simply collect this feedback and never use it to adjust your instruction, then you are collecting it in vain. The data you receive from grading your assignments and assessments will give you feedback about the effectiveness of your own instruction."

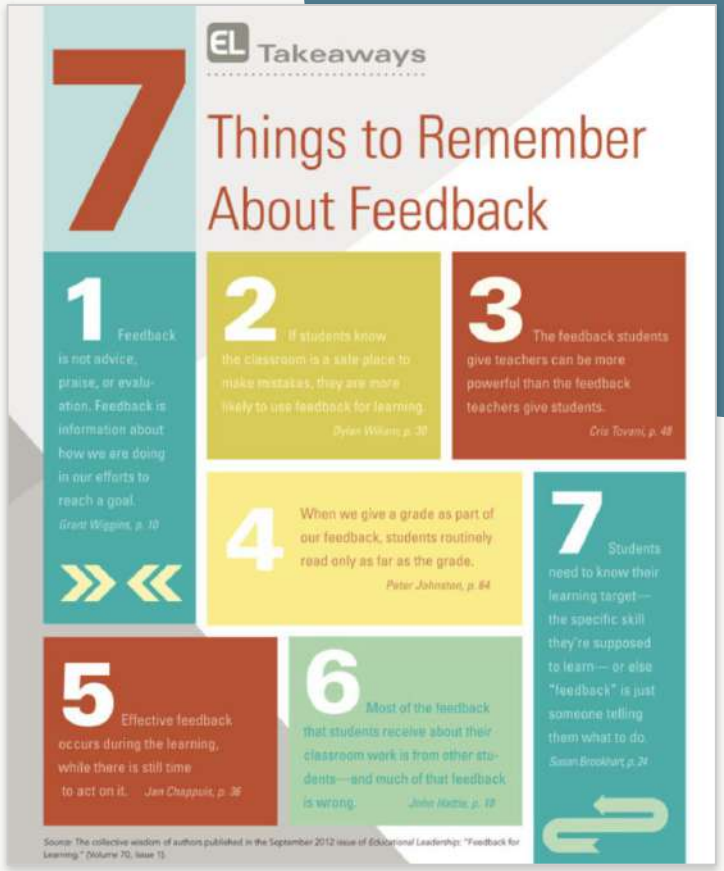
-- Robyn R. Jackson

The research...shows conclusively that formative assessment does improve learning. The gains in achievement appear to be quite considerable, and ... amongst the largest ever reported for educational interventions. As an illustration of just how big these gain are, an effect size of 0.7, if it could be achieved on a nationwide scale, would be equivalent to raising the mathematics achievement score of an 'average' country like England, New Zealand or the United States into the 'top five' after the Pacific rim countries of Singapore, Korea, Japan and Hong Kong.

-- Paul Black and Dylan William

Characteristics of Good Feedback

- Effective feedback occurs during the learning, while there is still time to act on it.
- The feedback students give teachers can be more powerful than the feedback teachers give students.



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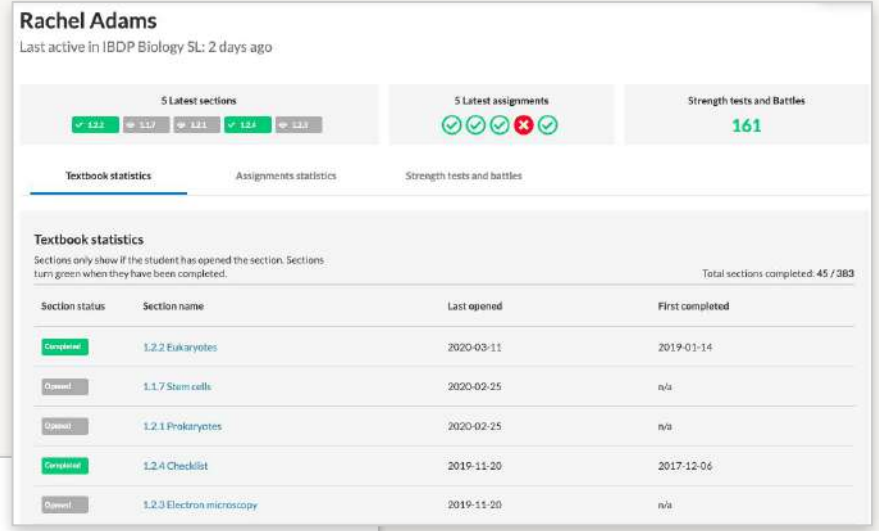
https://commons.wikimedia.org/wiki/File:Feedback-infographic-620x817.jpg

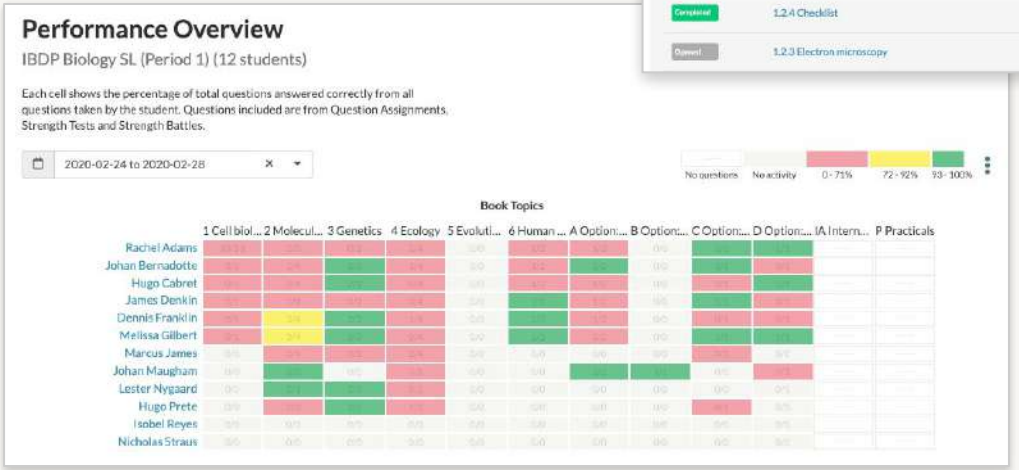
Formative Assessment

Digital Tools

KOGNITY

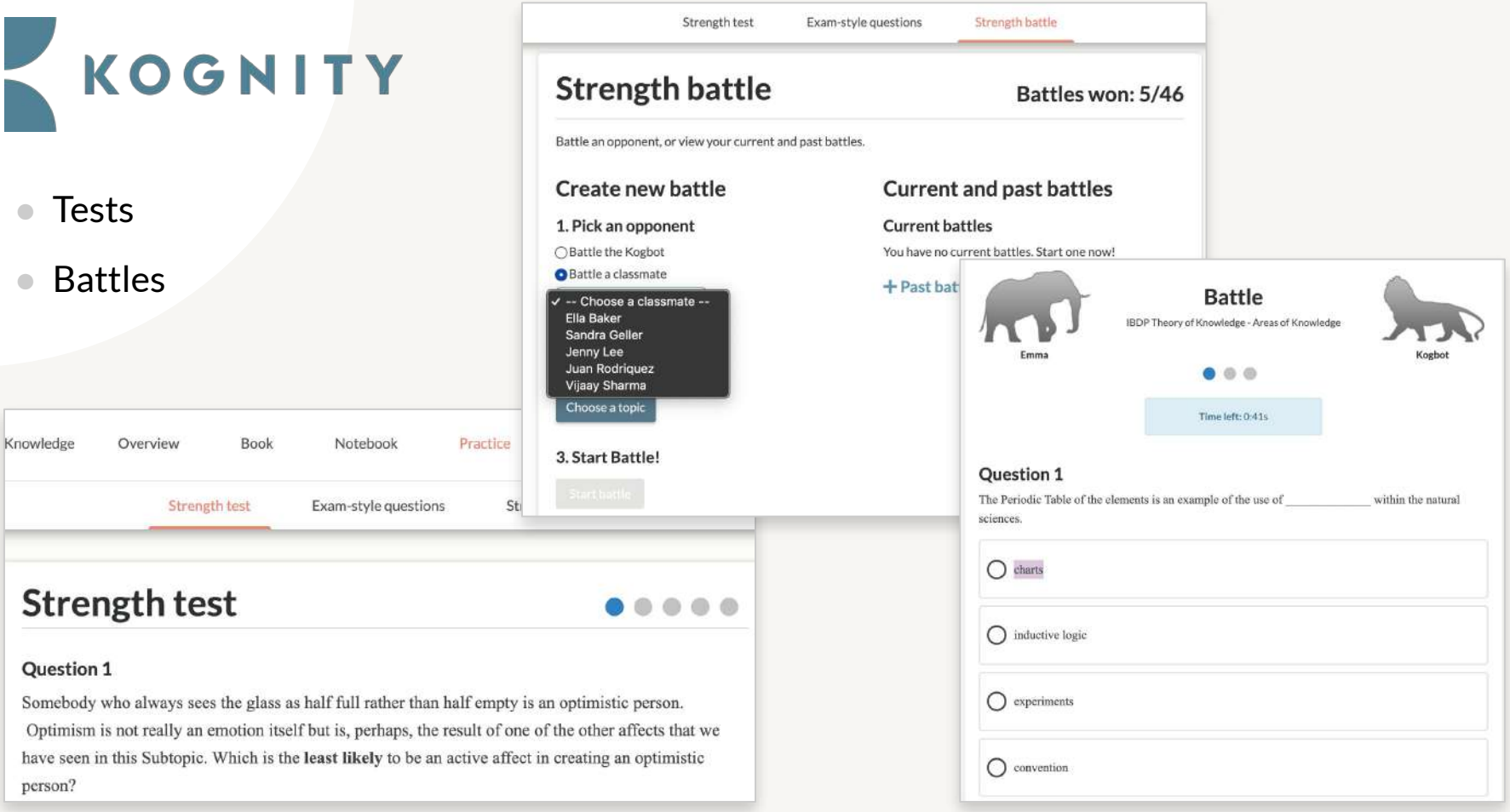
- Performance Overview
- Individual Coaching





KOGNITY

- Tests
- Battles



FLIPGRID.

- Video discussion tool
- Free educator pricing with upgrade option; free to students

- Worldwide, based in Minnesota
- Content partnerships: Lego, Minecraft, Made by Dyslexia, etc.
- @flipgrid
- Students access via link, QR code, embed code, or share to Teams, Google Classroom, and Remind

Tips for Engaging Students and Families

PreK to Middle School

- Daily learning reflections
- Reading and book talks
- STEM thinking
- Project demonstrations
- Fluency and phonics

High School

- Daily video journal
- Project presentations
- Language learning
- Peer review
- Persuasive debate

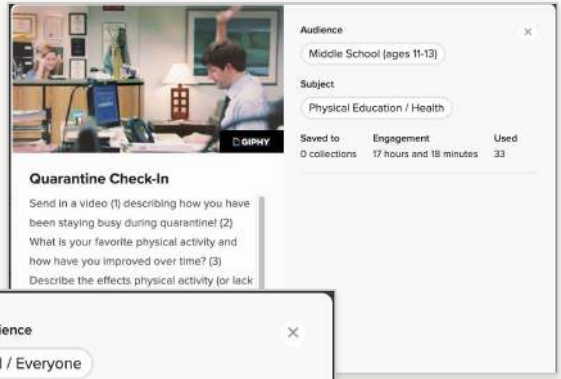
University

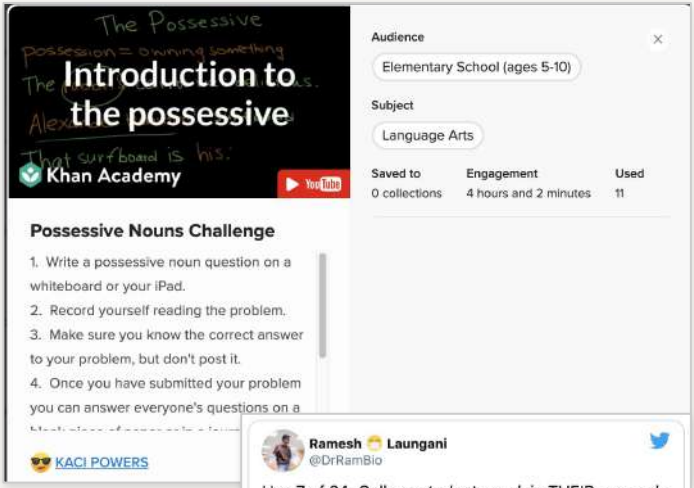
- Digital office hours
- Socratic discussions
- Social presence
- Research presentations
- Project-based learning

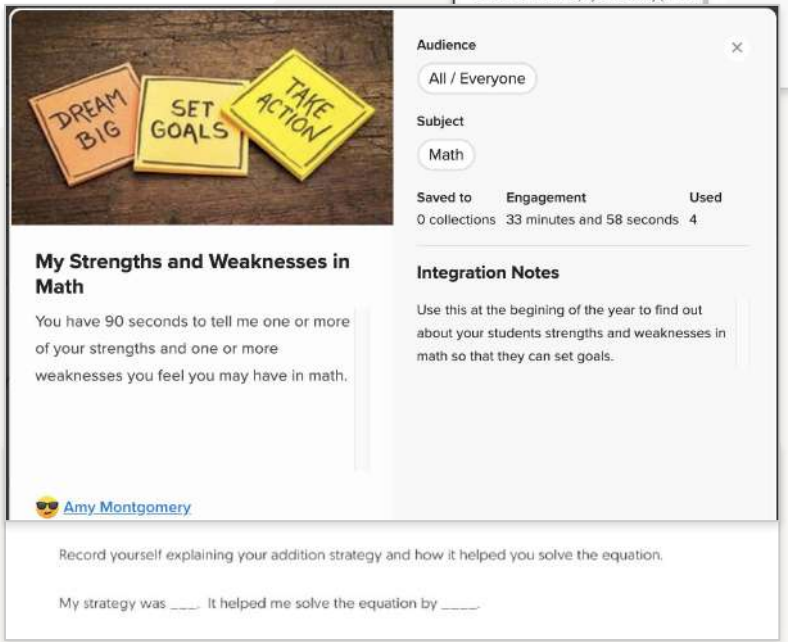
Family Learning

- Reading together
- Family interviews
- Messages of positivity
- At-home experiments
- Shared physical exercise

FLIPGRID.


Audience
Middle School (ages 11-13)
Subject
Physical Education / Health
Saved to
0 collections
Engagement
17 hours and 18 minutes
Used
33
Quarantine Check-In
Send in a video (1) describing how you have been staying busy during quarantine! (2) What is your favorite physical activity and how have you improved over time? (3) Describe the effects physical activity (or lack


Introduction to the possessive
Khan Academy
Audience
Elementary School (ages 5-10)
Subject
Language Arts
Saved to
0 collections
Engagement
4 hours and 2 minutes
Used
11
Possessive Nouns Challenge
1. Write a possessive noun question on a whiteboard or your iPad.
2. Record yourself reading the problem.
3. Make sure you know the correct answer to your problem, but don't post it.
4. Once you have submitted your problem you can answer everyone's questions on a
KACI POWERS


DREAM BIG
SET GOALS
TAKE ACTION
Audience
All / Everyone
Subject
Math
Saved to
0 collections
Engagement
33 minutes and 58 seconds
Used
4
My Strengths and Weaknesses in Math
You have 90 seconds to tell me one or more of your strengths and one or more weaknesses you feel you may have in math.
Integration Notes
Use this at the begining of the year to find out about your students strengths and weaknesses in math so that they can set goals.
Amy Montgomery
Record yourself explaining your addition strategy and how it helped you solve the equation.
My strategy was ____. It helped me solve the equation by _____.

My 1st infrared sensor robot!

Ramesh Laungani
@DrRamBio
Use 7 of 24: College students explain THEIR research projects in 3-minutes (or less) as they practice & develop their #SciComm skills & their elevator pitches
#FlipgridLIVE #FlipgridForAll
Students explain THEIR Research
Professional training for students
11:15 PM · Jun 28, 2020

Mentimeter

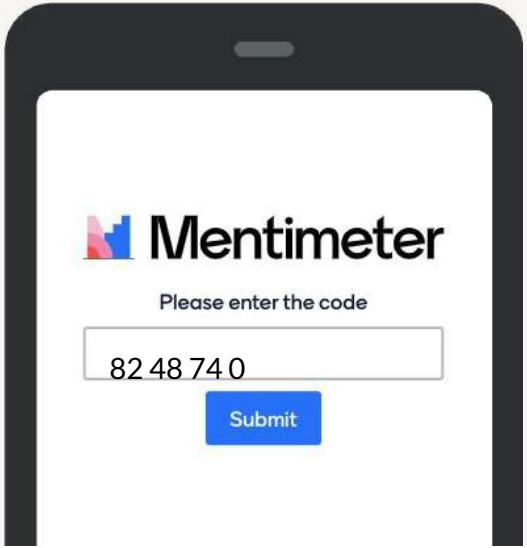
- Interactive presentations with live polls, quizzes, word clouds, Q&As (13 question types)
- Free, upgraded plans available
- Worldwide, based in Sweden
- Students access via code
- @mentimeter
- Activities:
  - Word clouds
  - Live polls
  - Quizzes
  - Open Answer

Go to

www.menti.com

Enter the code

82 48 74 0

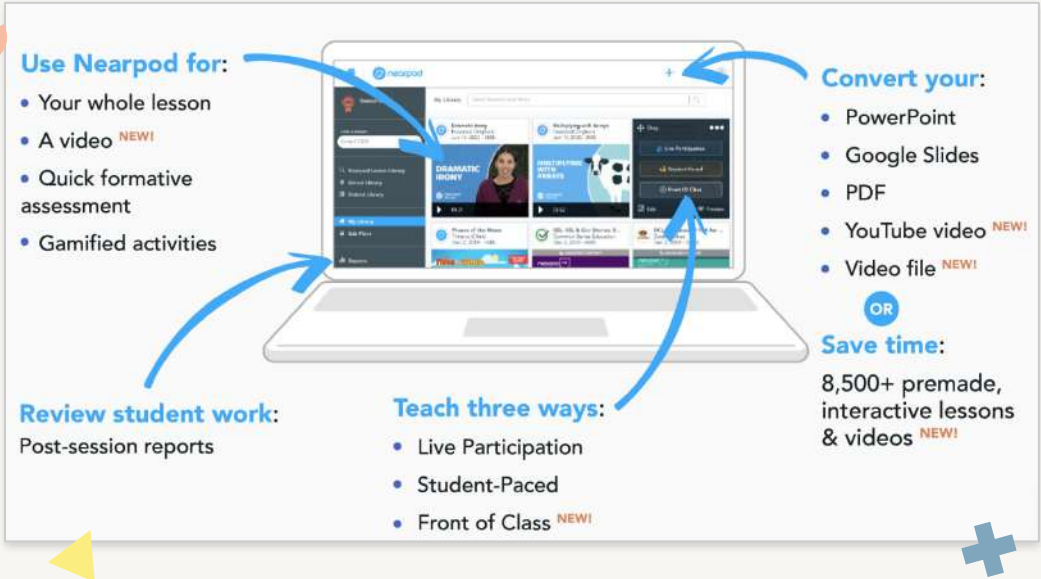


Mentimeter

What is your biggest challenge for the 2020/2021 school year?

nearpod

- Interactive instruction and assessment
- Free with paid levels
- Worldwide, based in Florida
- Students access via code or lms
- @nearpod
- Integrations: images, videos, web, PhET, VR, 3D objects, Sways, PDFs, Flipgrid, etc.
- Post session reporting



Go to join.nearpod.com, punch in code

VQMT6

and answer the question presented.

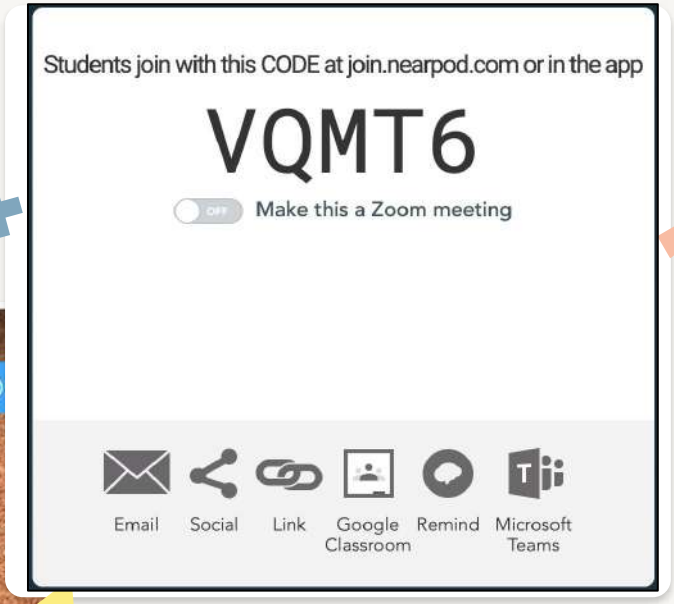
Formative Assessment types

- Draw It
- Poll
- Fill in the Blanks
- Open-Ended Question
- Collaborate!
- Matching Pairs
- Quiz
- VR Field Trips
- Time to Climb

Go to join.nearpod.com, punch in code VQMT6 and answer the question presented.

nearpod

Formative Assessment Ideas
Post your assessment successes!
Share

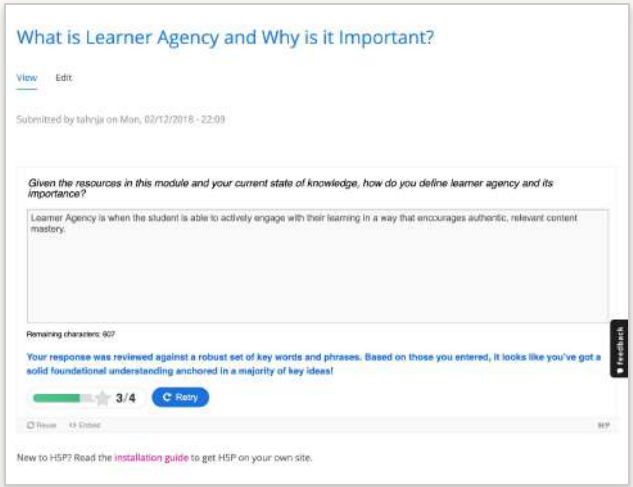

Students join with this CODE at join.nearpod.com or in the app
VQMT6
Make this a Zoom meeting
Email
Social
Link
Google Classroom
Remind
Microsoft Teams

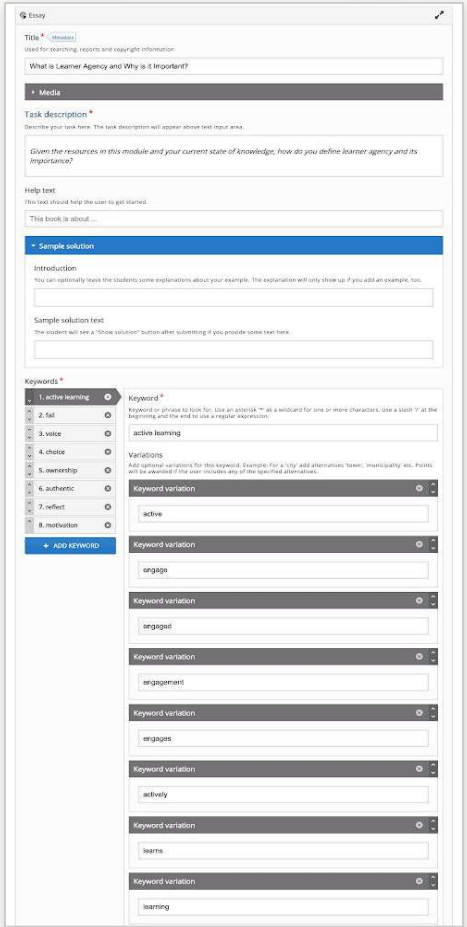
- Interactive content
- Self host or pay for hosting at H5p.com

- Worldwide, based in Norway
- @H5PTechnology
- Students access via embed or link
- Potential interactives:
  - Essay with instant feedback
  - Image sequencing
  - Quizzes (knowledge checks)
  - Forms with text export

Essay

Create essay with instant feedback





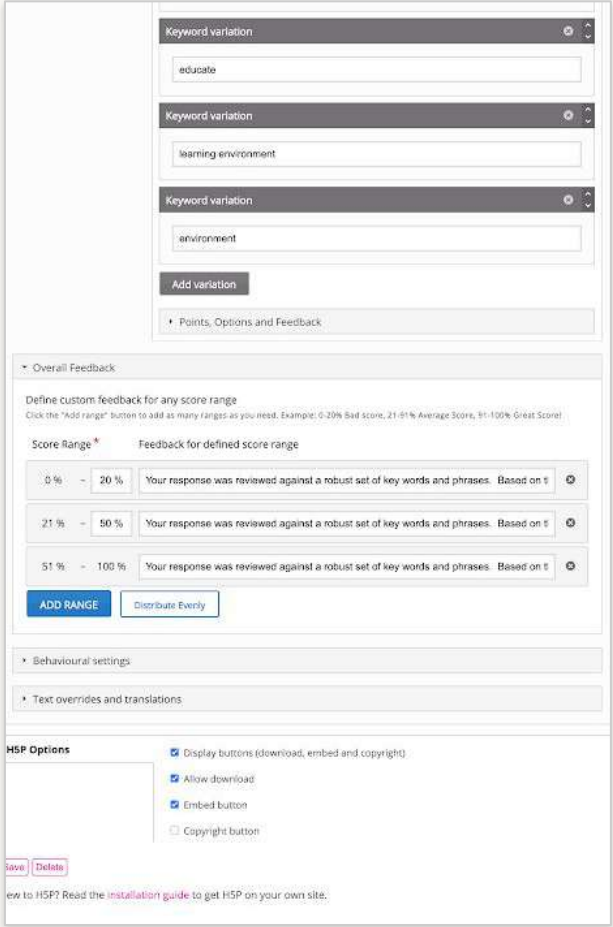
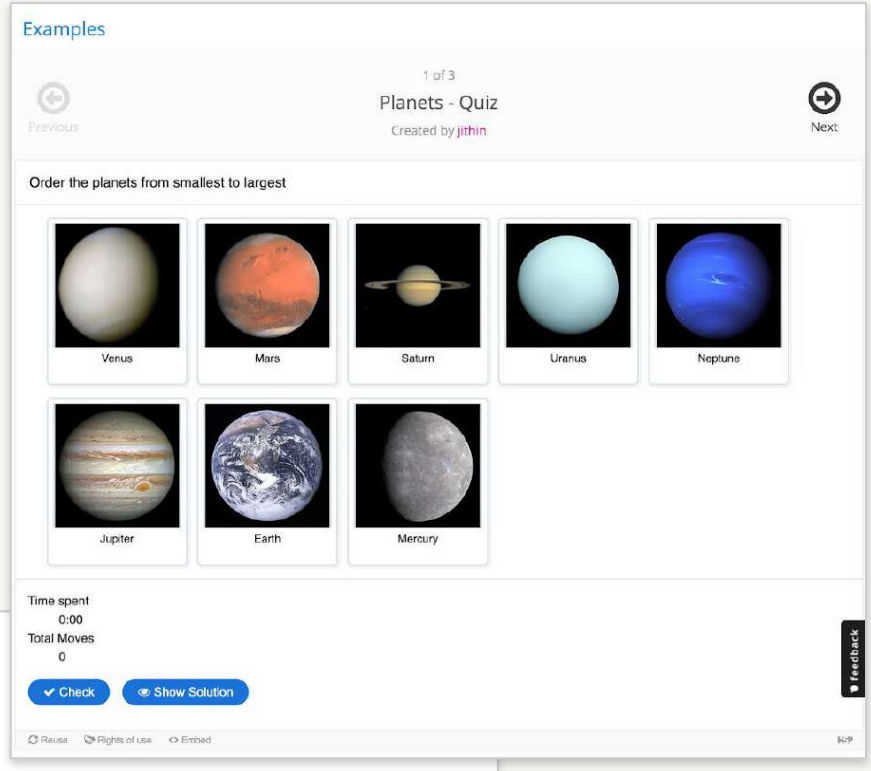
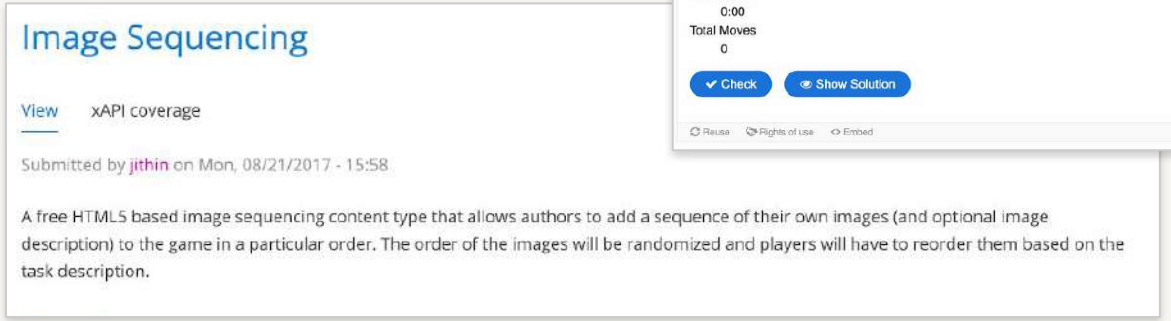


Image Sequencing

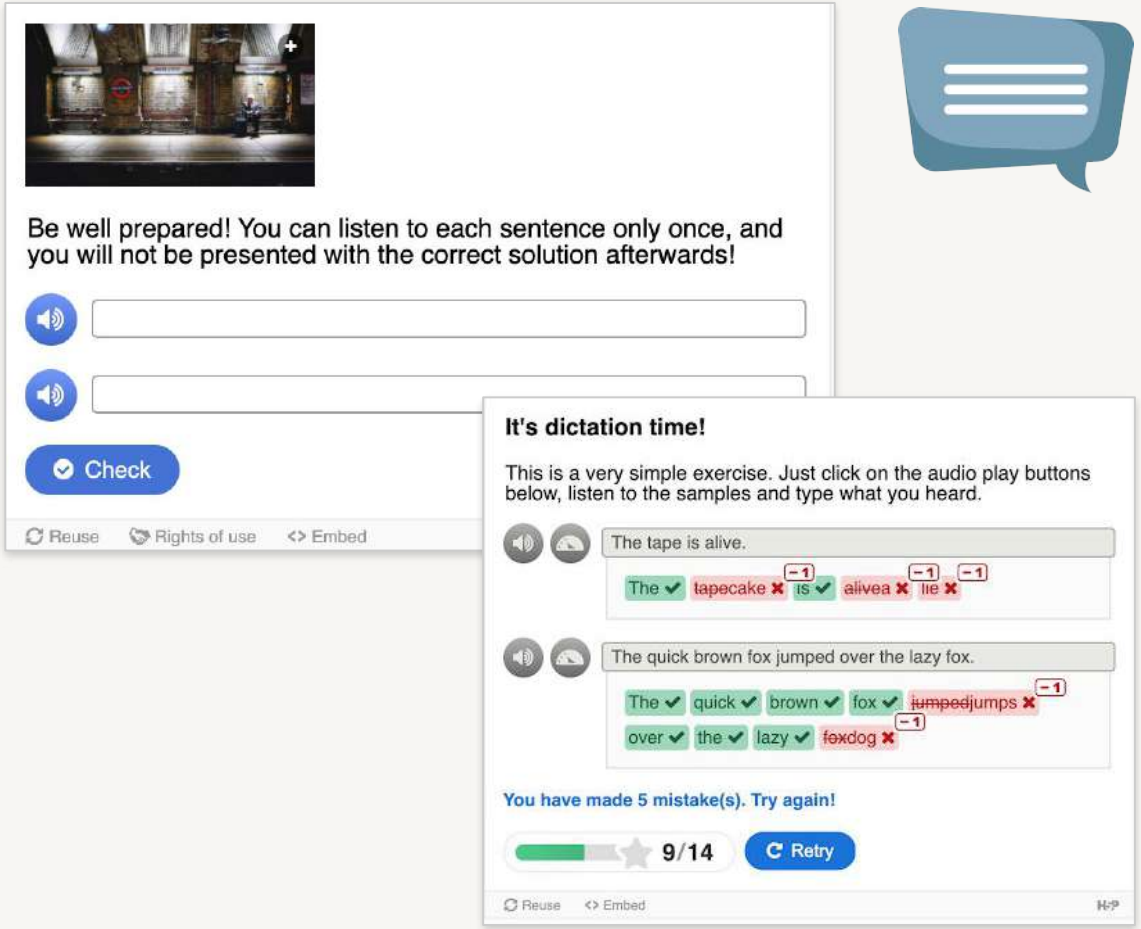
Place images in the correct order





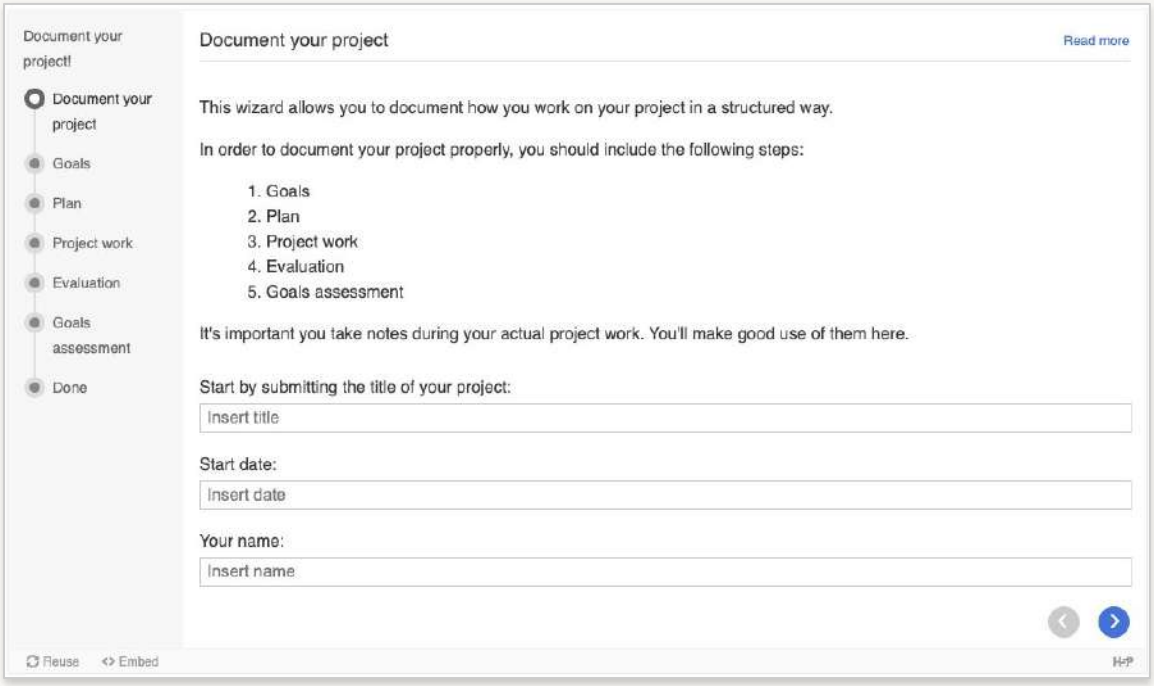
Dictation

Create a dictation
with instant feedback

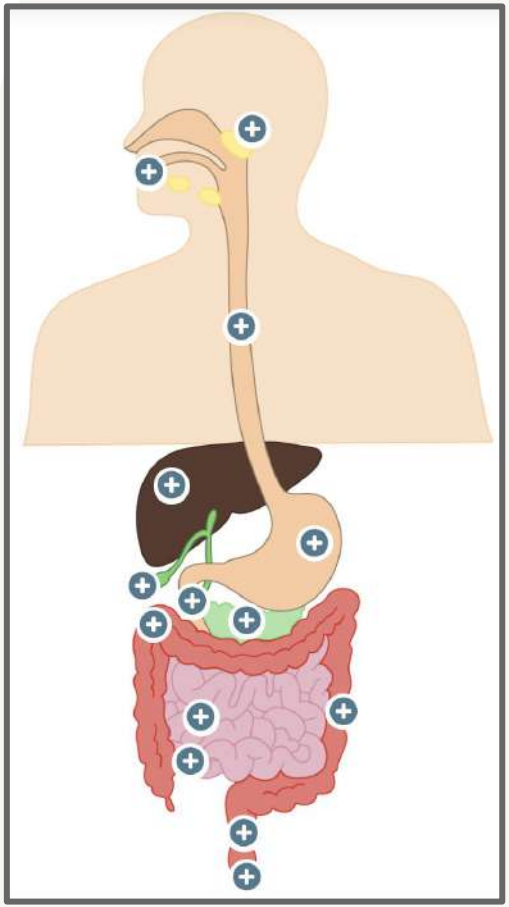


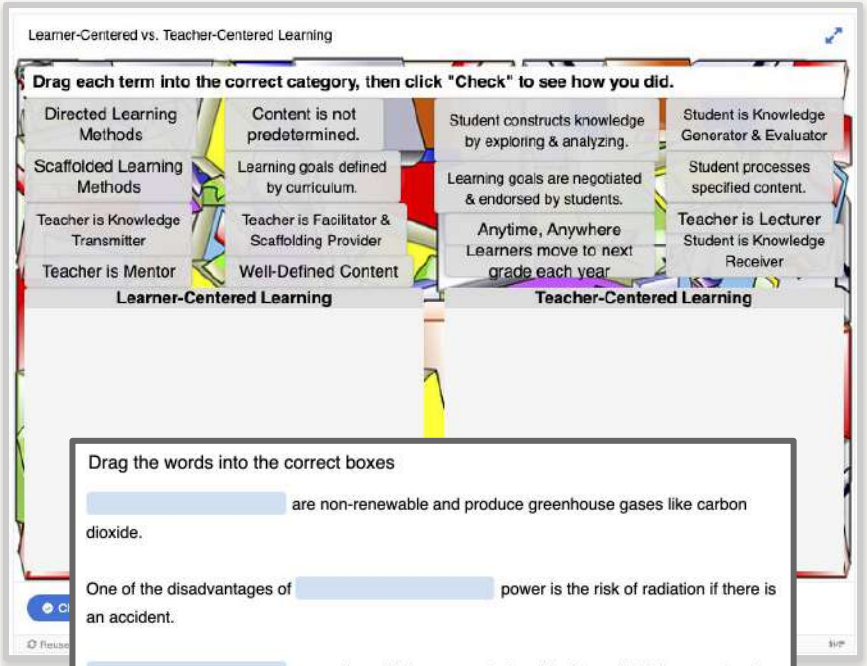
Documentation Tool

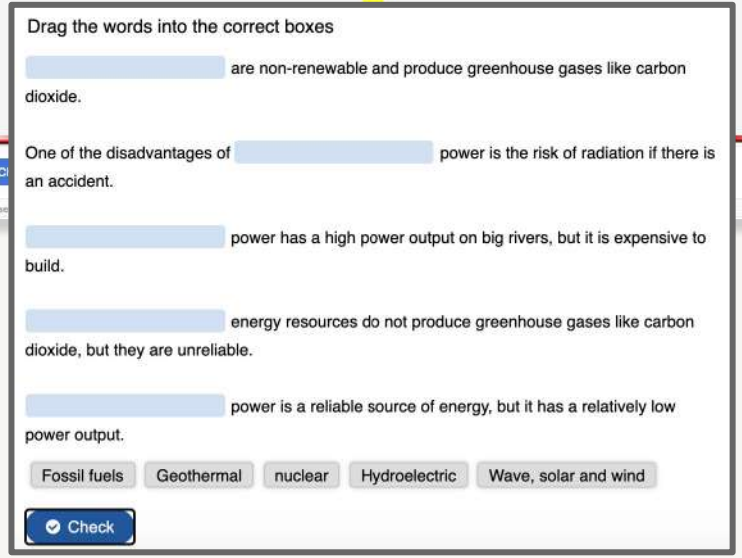
Create a form wizard with text export



Other favorites...







A Few Parting Resources

Tahnja Wilson, Educator, MBA/MIM

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@TahnjaWilson

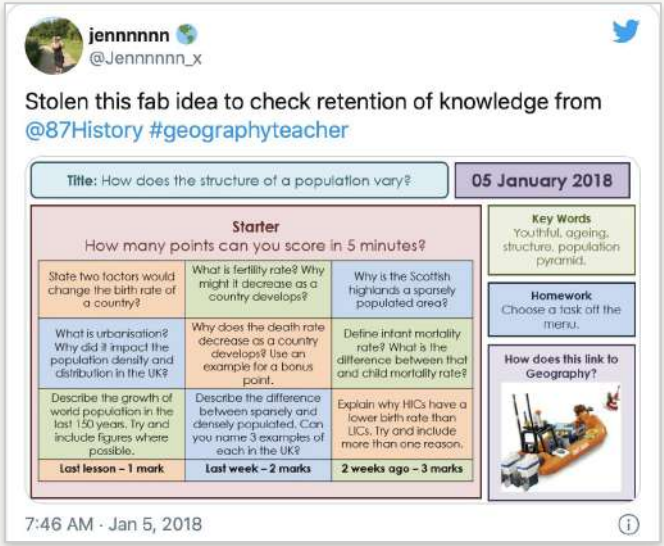
Retrieval Practice Grids

Retrieval Practice Challenge Grid!

What's your score?

Who was Head of Cheka in 1917?	Explain the term bourgeoisie.	Who was Anatoly Lunacharsky?	List four different enemies of Cheka.
Describe Khrushchev's attitude towards religion.	Explain the term 'Proletkult'.	List three aims of the NEP.	What was the October 1917 Decree on Land?
Explain the term 'show trail'.	Who was Patriarch Tikhon?	What were the aims of agitprop?	Describe one strength and one weakness of War Communism.

Last lesson (1) | Last week (2) | Two weeks ago (3) | Further back! (4)



Choice Board Example

T.E.A.M. EduACTION

Digital Media Design Student Choice Board

*Use the Made to Stick Principles to create more captivating media. Make sure your digital media are accessible (use closed captions, provide transcripts, add captions/alt text to images) and free of copyright infringement. Explore the T.E.A.M. EduACTION site for more resources.

Make a Movie or Music Video	**Design an Interactive Video**	**Create a Screen Recording**
Record a Podcast	**Create Music**	**Tell a Story**
Make a Mindmap	**Code a Song or Game**	**Design an Infographic**
Create a Meme or Poster	**Design a Comic**	**Create a Graphic or Sketchnote**
Put Together a Slideshow	**Curate a Digital Wall of Resources**	**Build a Website or Blog**
Design a Timeline	**Build a Virtual Tour or World**	**Create a Whiteboard Presentation**

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What is... DIRECT INSTRUCTION?

@Impact Wales

Explicit instruction designed to produce mastery in pupils as quickly as possible.

Direct instruction = Explicit teaching + Sequential Curricula + Frequent AfL

Originally designed by Siegfried Engelmann in 1964, his method often used teacher scripts & grouped pupils by their ability to complete a task, moving them on as soon as they had mastered it.

Effect Sizes - Hattie

Direct Instruction = 0·59
Inquiry Learning = 0·31
Problem-based learning = 0·15

How do you do it? Kirschner's 5 Steps

1. Set the stage for learning. Provide pupils with the knowledge they need to enable their learning.
2. Clearly explain what is expected of pupils & what you want them to do.
3. Model the learning. Show them how it is done. Explain what you did, and why you did it.
4. Provide guided practice time.
5. Formatively assess throughout & reguide the learning.

For bespoke support to use the most effective research to raise standards contact enquiries@impact.wales