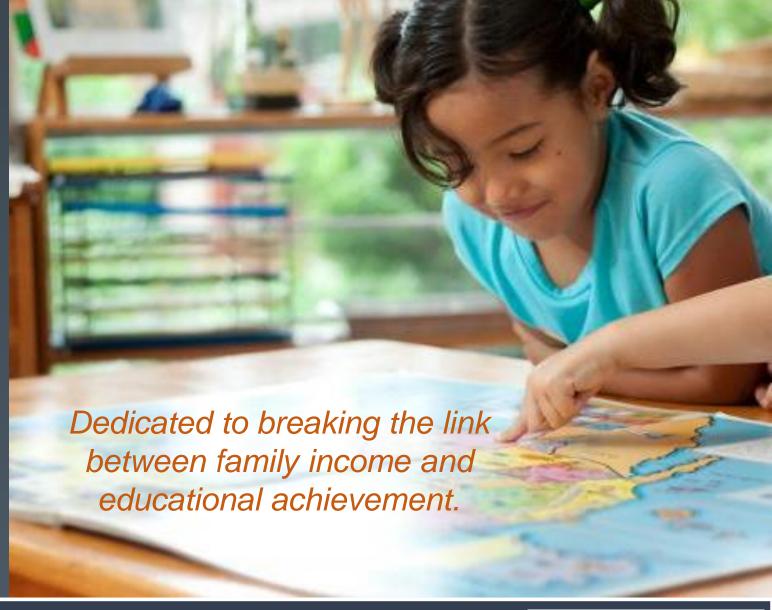
Online tools that may support you in achieving the recommendations from the evidence for effective remote learning.

Staffordshire Research School at John Taylor











Drawing on the Recommendations and Evidence Base

2020 Rapid Evidence Assessment



Examined existing research (from 60 systematic reviews and meta-analyses*)

Considering approaches that schools could use, or have used, to support remote learning.

*not conducted in relation to a Covid pandemic.











The Recommendations and Evidence Base

More effective remote learning models contain the following ingredients and core features:

- Features of good teaching in the classroom are the same for remote or distance learning and need to be included in plans, tasks and learning e.g. clear explanations, scaffolding and feedback, regardless of the method of teaching (live or pre-recorded delivery)
- Worked examples help to reduce cognitive load by allowing pupils to focus on small 'chunks' in learning
- Peer interactions can motivate pupils and improve outcomes (including sharing models of good work, live discussions of content and peer feedback), most notably with older students
- Prompt & model metacognition and self-regulation Prompt pupils to reflect on their work or to
 consider the strategies they have used/will use if they get stuck, have been highlighted as valuable and
 most likely to benefit disadvantaged pupils when made explicit (e.g. checklists and strategies,
 metacognitive talk)
- A lack of technology and technological literacy is a barrier to successful remote instruction, particularly for disadvantaged students.

EEFs Rapid Evidence Assessment for Remote learning, April 2020.









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Using Digital Technology Guidance Report Recommendations





Digital technology

Moderate impact for moderate cost, based on extensive evidence.







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USING DIGITAL TECHNOLOGY TO IMPROVE LEARNING Guidance Report

The common ground? The fundamentals of effective teaching...



Remote Learning: Rapid Evidence Assessment

Josh Goodrich, Teaching and Learning lead for the Oasis Schools trust.

and CEO of <u>Powerful Action Steps</u> and <u>steplab</u>.

"Remote teaching is still teaching. But, it's teaching where some of the key elements of effective practice are hugely amplified while others are quietened, some completely muted. To teach effectively online, we need to focus all our attention on lesson design and pedagogy that targets the amplified principles."

Click here to read Josh Goodrich's blog for the Staffordshire Research School

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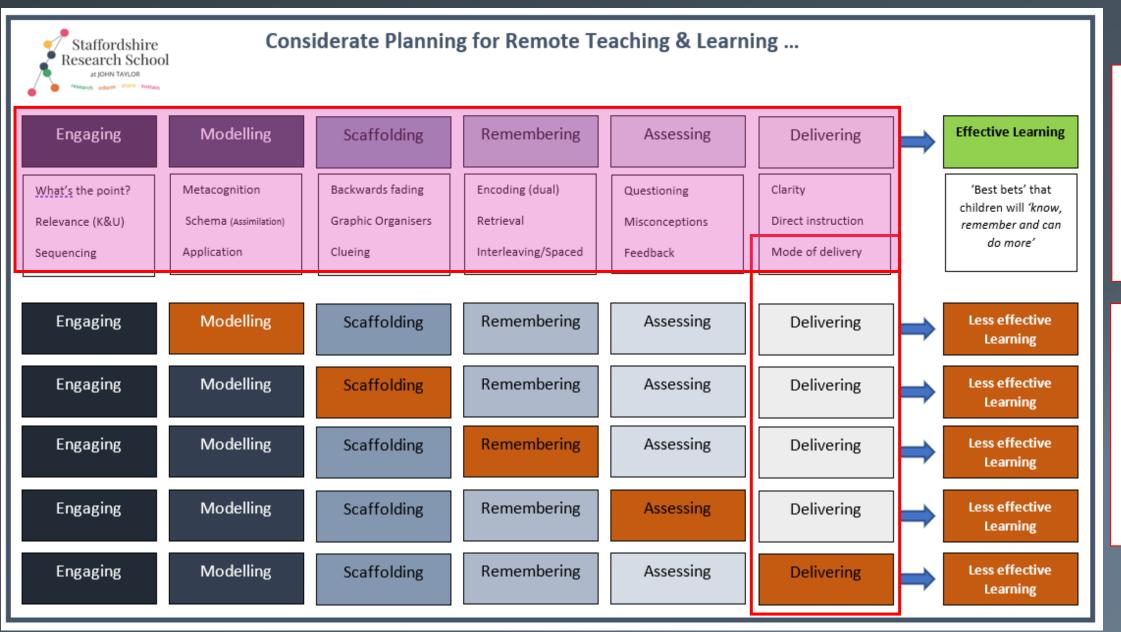








Staffordshire Research School...where evidence informs T&L



This PPT is
about using
digital tech
tools to
support the
delivery of well
planned
lessons

The evidence of using digital tech is anchored in pedagogy & cognitive science, not specific online tools.

The following suggestions are online tools that may support teachers to achieve the evidence-based recommendations relating to effective planning and pedagogy...

The tools do not have an evidence-based themselves for being the most effective methods...

but they may help!











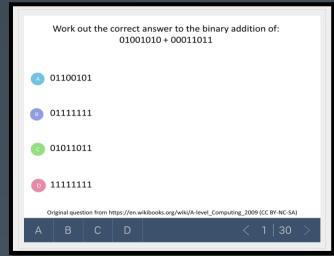


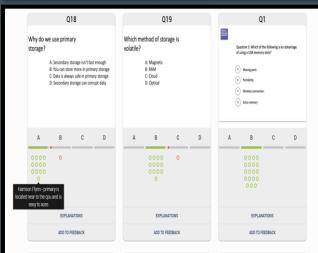


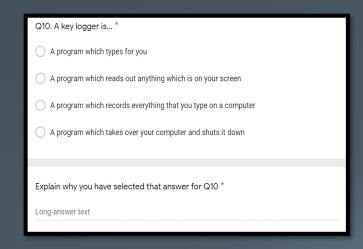
https://diagnosticquestions.com/

Purpose

- Recall of Knowledge
- Generating ideas
- Developing questions
- Identifying Gaps
- Unpicking the learning
- Metacognition/ Scaffolding









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student to teach a key

class to start the next

concept back to the

lesson.



https://www.mentimeter.com/

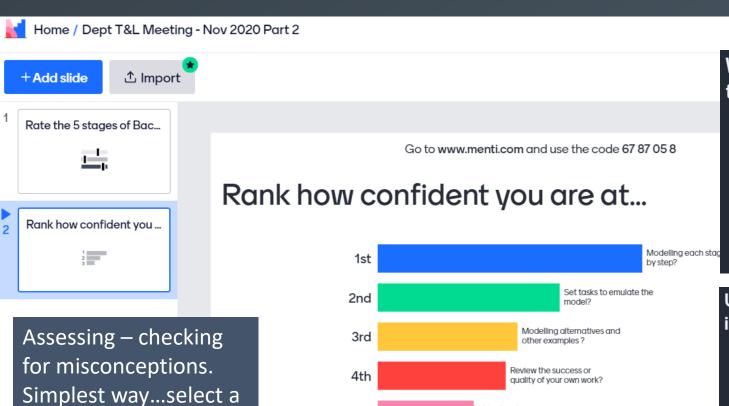
Modelling how you

organise messy thinking?

Assessing – checking for misconceptions using a free live polling/survey tool.

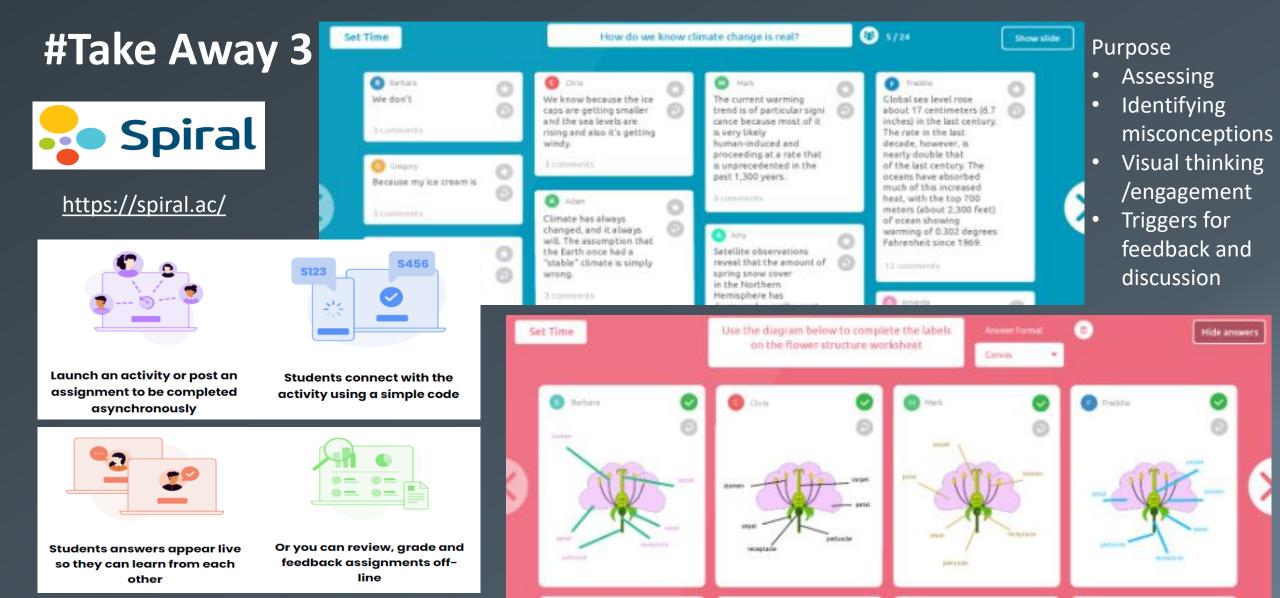


Misconceptions



the most in your lessons? iviodelling each stage step by step? Using 1 word, what is the most significant benefit of integrating modelling into your teaching? understanding

✓ Saved













Retrieval Practice

Recall Activities

	9P2 Recall						Score a		
	Last lesson 1pt		: week pts	Further back 3pts		True Justicia		oints!	
1.What is an asset?	2. What does the colour red mean?		3. Give an example of a Print and Online graphic?		4	4. What is a digital graphic?		In your Workbook	
5. Name three purposes of digital graphics?	6. What is v space?			at is the rule f three?		8. What does composition mean?		04:00 MR. TIMER	

Purpose

- Low stakes testing
- Questioning & feedback
- Interleaving
- Spaced practice

Database on Retrieval Practice studies/research collated by

https://www.retrievalpractice.org/retrievalpractice

https://docs.google.com/spreadsheets/d/1liuaWuGO AD9EDv61s-

fZKGzilzOhxr8lzjcEw1zyeFI/edit#gid=1459429581

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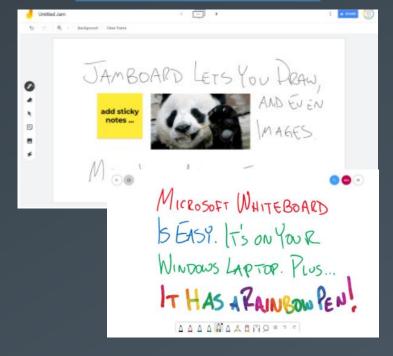




#Take Aways 5a, b, and c



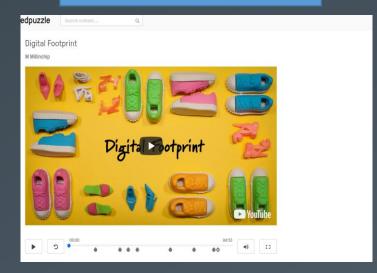
Whiteboards



jamboard.google.com



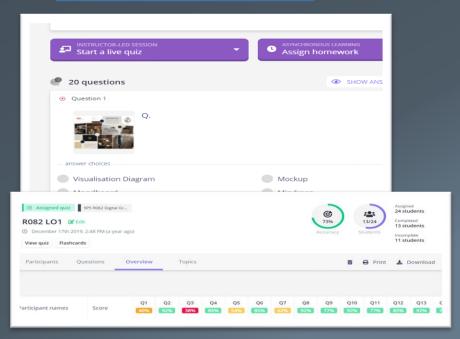
Edpuzzle



Embed key questions into YouTube or other for engagement and to check understanding before moving on

https://edpuzzle.com/content





https://quizizz.com/

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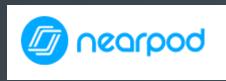




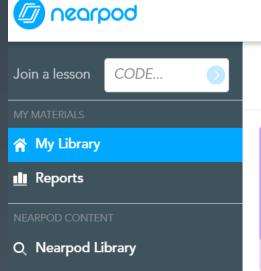


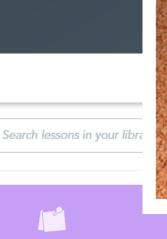


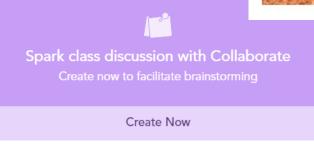
Assessing – checking for misconceptions using



https://nearpod.com/login











Create Now



reate now to start your class with a writing prompt

Create Now

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My Library







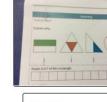


desmos

https://teacher.desmos.com/



Year 4





Year 1





Year 4

Maths

National Forest Teaching School SCITT

Recognise, find and name a quarter as 1 of

4 equal parts of an

Count up and down in tenths; recognise that

tenths arise from dividing an object into 10 equal parts and in

dividing one digit

by 10.

numbers or quantities

object, shape or

quantity.

Year 1



Compare and order fractions whose denominators are all multiples of the same number, with up to four fractions in a set.

Year 6

Modelling Can you match the key learning objectives related to fractions, decimals and percentage Use c to sim use co to exp the sa denon

Year 5

Year 2

https://student.desmos.com/join/5srezx

Year 3

Year 5

Add and subtract fractions with the same denominator beyond one whole.

Write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of 2/4 and

Purpose

- Modelling Metacognitive talk
- Scaffolding (I, we, you do)
- Assessing
- Peer interactions (REA)

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https://www.uxtweak.com/

A free survey site that allows a card sorting option (for 20 cards) into categories that can then be ranked. Captures individual student responses.

Purpose

- Assessing
- Identifying misconceptions
- Interactive thinking
- Triggers for feedback and discussion

Training sessions are followed up by discussions between self-selecting groups of teachers.

There isn't a culture of quality improvement—staff feel pressured to get it right immediately.

A school decides on a few clear choices and pursues them diligently.

We know where to be 'tight' and where to be 'loose' for our intervention.

A school takes on multiple (>5) implementation projects simultaneously.

A tight area of focus for improvement is specified prior to considering what to implement.

New skills, knowledge and strategies are introduced through explicit upfront training.

A programme of activity is based on evidence of what has and hasn't

Less effective Implementation

0 CARDS

Other

0 CARDS

More effective Implementation

Assessment

0 CARDS

Step 1

To rename a new category, click its title and type.

Step 2

Drop more cards into a category to add more than one card into the group.

To create more categories, drag cards over empty space and drop them there.

Once you're finished, click "Finish sort" on the right. Enjoy!

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WHITEBOARD.fi

https://whiteboard.fi/

A free site that provides student and class whiteboards. Works with all devices. As a teacher see all your students' whiteboards in real time, so you can follow their progress, while the students only see their own whiteboard and the teacher's. Student join using a link or code.





Purpose

- Assessing
- Identifying misconceptions
- Modelling & scaffolding
- Triggers for feedback and discussion

Student Whiteboards What Boes it Mean to Practice Digital Citizenship? Hear See Feel Hear See Feel Kind words Norg or .edu Respected Dan the Demo Student Student What Boes it Mean to Practice Digital Citizenship? What Boes it Mean to Practice Digital Citizenship? Kind words Respected Susy the Demo Student

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An online pinboard, collaboration and potential assessment tool.

Wall Pack content in a brick-like

Start with a blank ...

layout.

SELECT



PREVIEW

Canvas

Scatter, group, and connect content in any way.



Stream

Streamline content in an easy to read, top-to-bottom feed

SELECT



SELECT

Place content along a horizontal

SELECT

J. Powers + 2 + 10d Superpowers

7.1 - Physical and human superpower characteristics

China's 70th Anniversary Military Parade

China's military display to the world to celebrate 70 years o communism, a message from President Xi that 'no force car shake the great nation of China Links to: Hard Power, Military



military superpower or just keeping up with others?

7.2 - How do patterns of power change over

Singapore tops US as the world's most competitive



Singapore is the world's most competitive Freat roads and airports are among the f

How did America become a

A short film charting the rise of the USA and it's dominance that have led it to become a



7.3 - Emerging powers vary in their influence on people and the physical environment

Brazil's ministers environmental policies

What's the latest with the fires in Brazil?

Palau not responding to China's Soft Power Threats. The tiny Island V the emerging Superpower



7.4 - Superpowers have a significant influence over the global economic system

TRIPS and TNCs

Does the 1995 TRIPS agreement benefit the developed nations and



What are the world's mos valuable brands in 20183



7.5 - Superpowers and emerging nations play a key role in international decision making concerning the people and the environment.

UN Security Council

Up to date articles on conflict resolution and global concerns from the UN security council. You may wish to look in more detail about the structure and format of the UN Security Council.



7.6 - Global concerns about the physical environment are disproportionately influenced by superpower actions.

Who has contributed most to CO2 emissions?

Who has contributed most to global CO2. Since 1751 the world has emitted over

How is the global middle class linked to deforestation?

A look at the rising demands of the global middle class and how 7.7 - Global influence is contested in a number of different economic. environmental and political spheres.

What happened on Monday (26.11.18) when the Ukraine and Russia went to the UN security council

A press release from the UN security council about the emergency meeting and the stance of different members



Escalating tensions again between Russia and the

7.8 - Developing nations have changing relationships with superpowers with

Can Russia play a role in

consequences for

physical environment.

people and the





t to points on a map.

PREVIEW

Timeline

Purpose

SELECT

- Organising thinking (graphically)
- Efficiency (structured learning/a degree of scaffolding)
- Appropriate resource selection
- Independent reading

Staffordshire Research School Using Digital Tech to Improve Learning & Remote Learning











Free Padlet page from the Staffordshire Research School.

EEF Research & Evidence Guidance Report References Library

Staffordshire

Research School

at IOHN TAYLOR research inform share sustain

- •14 EEF Guidance Reports and Pupil Premium booklet (including Digital Technology)
- •Over 760 direct links to the research sources from all EEF guidance reports—all in one place



The Evidence base is in the Cognitive Science...

Technology may help, but it is not the fix – thorough planning for how students learn is the best bet for high quality remote teaching.

You can improve your delivery via technology, but you can still be delivering poor quality lessons and weak learning experiences.

Engagement can be a bad proxy for learning.

Plan for learning first, find the digital tool after (not vice versa)!

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Regular updates & Newsletter -

https://researchschool.org.uk/staffordshire/news/newsletter/

@JTSTaffsRSch



