

Center for Educational Excellence & Innovation

Instructional Design Excellence: Harnessing Technology for Educational Success

BCH Academy Seminar May 15, 2024



The speaker(s) do not have any financial relationships to disclose.

To receive credit for today's BCH Academy Seminar:

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Learning Objectives

• Describe the roles and functions that educational technology can play and the **rationale for using technology** in enhancing teaching and learning.

• Utilize a systematic learning design approach for applying technology to your teaching and learning.

• Identify educational technology tools to help deliver engaging content and provide learner-centered experiences in various group teaching contexts.



Please go to <u>https://padlet.com/bchacademy/ID_and_EdTech</u>

or scan the QR code



Prompt:

What teaching challenges do you have that technology could help overcome?



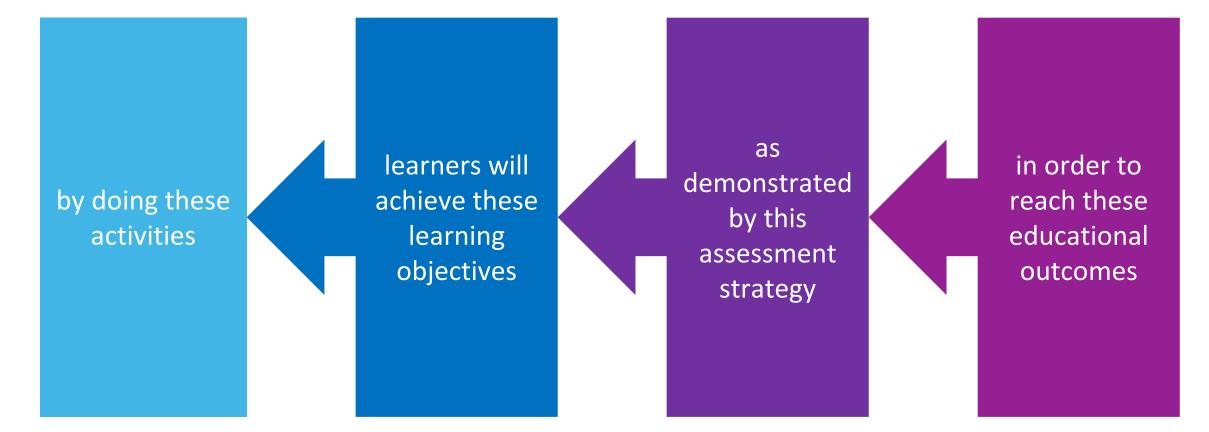
Scroll to see different teaching contexts. We encourage you to comment on each other's posts.

The Role of Instructional Design

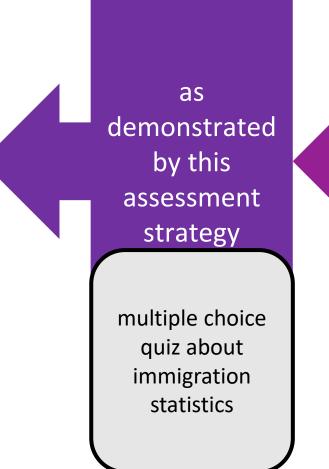
A frequent scenario:

I'd like to make my teaching more fun, so I'll do ADHD medication Jeopardy for my next lunch talk! Potential gaps with this approach:

- What do my learners already know and what do they need to learn?
- What are the best learning activities and technologies to achieve my goals?
- How will I know whether they learned what I hoped?
- What theories might help me teach most effectively?



or (Wiggins and McTighe): identify desired results \rightarrow determine acceptable evidence \rightarrow plan learning experiences and instruction



in order to reach these educational outcomes

learners will achieve these learning objectives

recognize the challenges faced by immigrants of one specific demographic as demonstrated by this assessment strategy

> talk through a realistic case with an experienced preceptor who uses a rubric to evaluate

in order to reach these educational outcomes

by doing these activities

watching a video about immigrant health produced by an adult hospital in the UK learners will achieve these learning objectives

be able to identify multiple barriers to and resources for care for immigrant families as demonstrated by this assessment strategy

> talk through a realistic case with an experienced preceptor who uses a rubric to evaluate

in order to reach these educational outcomes

by doing these activities

small group round table discussion with representatives from local community organizations learners will achieve these learning objectives

be able to identify multiple barriers to and resources for care for immigrant families as demonstrated by this assessment strategy

> talk through a realistic case with an experienced preceptor who uses a rubric to evaluate

in order to reach these educational outcomes

It's Not (Only) About the Tech

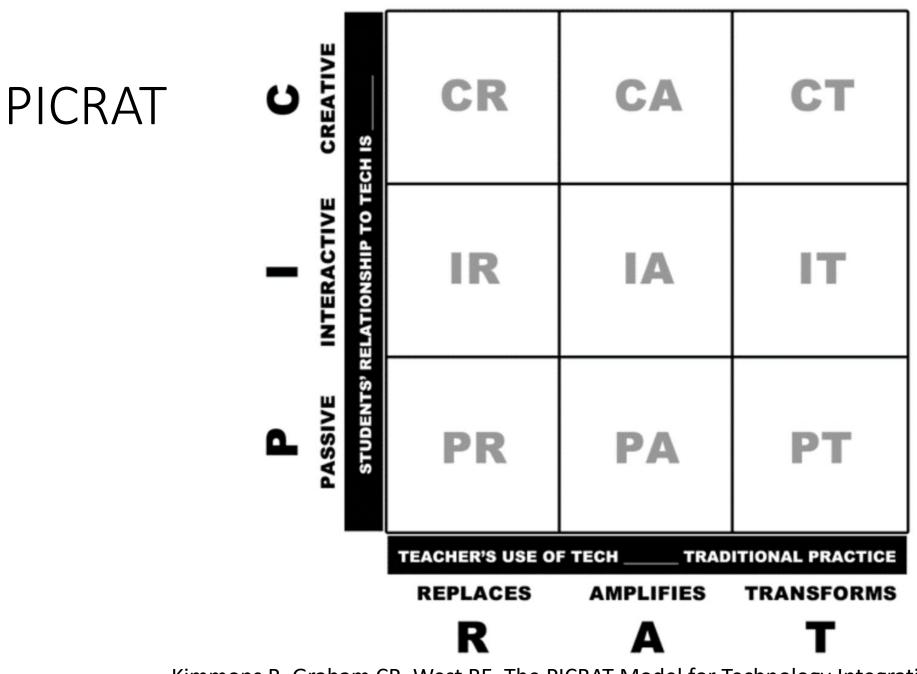
by doing these activities

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Jeopardy? simulation? online polling? AR/VR?

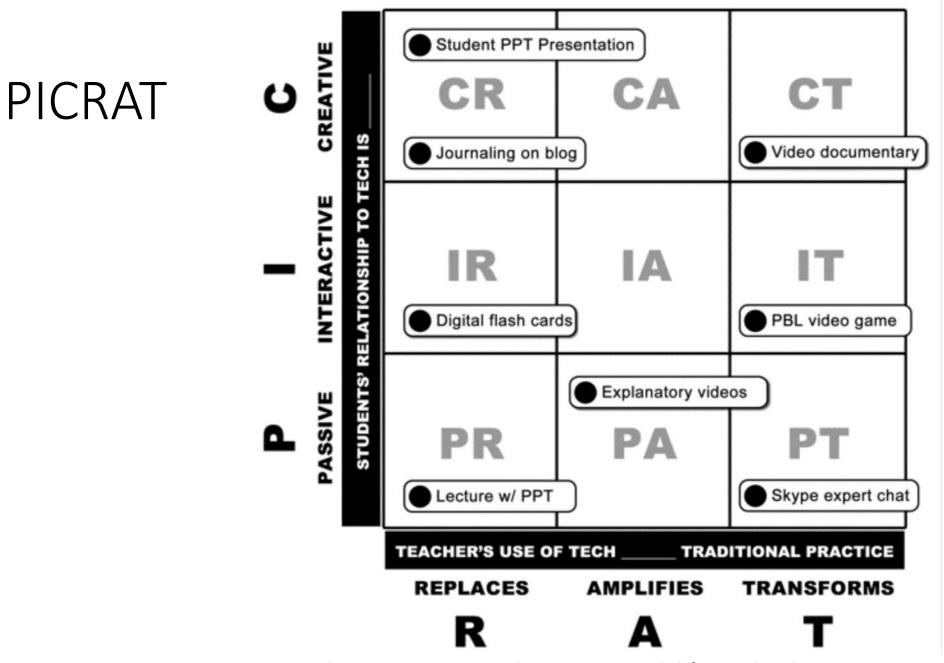






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Kimmons R, Graham CR, West RE. The PICRAT Model for Technology Integration in Teacher Preparation. Contemporary Issues in Technology and Teacher Education. 20(1):176-198

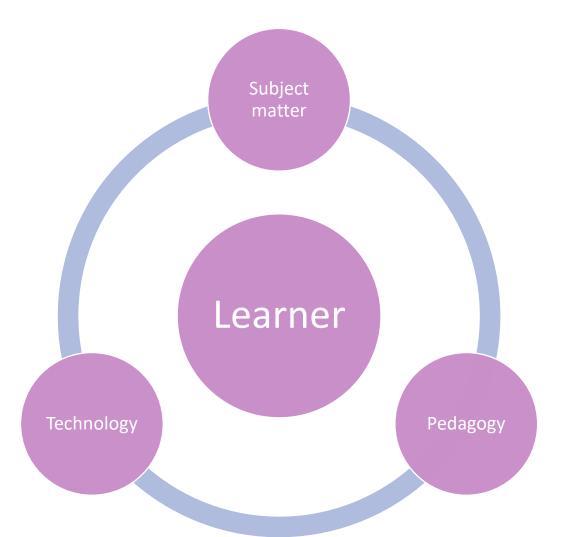


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Kimmons R, Graham CR, West RE. The PICRAT Model for Technology Integration in Teacher Preparation. Contemporary Issues in Technology and Teacher Education. 20(1):176-198



Technology Selection



https://educationaltechnology.net/technological-pedagogical-content-knowledge-tpack-framework/

Technology Selection

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		Describe	Estimate / P	
Image with Hotepot	Locate	Paraphras	e Predict Mo	
Image with Hotspot		Label	Build	
	Select		C₀	nstruct
	Outline W		npre-	Solve
	List Recite	i i i i i i i i i i i i i i i i i i i	sion	Report
	Name State	Knowledge	Application	
	Record	Innowieuge	Application	Sket
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			othesize	

Video

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Confirm

Explain Convert

Relate Match

Infer

Discuss

Apply

Solve Report

Sketch

Analyze Sort

Categorize Investigate

Produce



Technology Selection

Text	Still Images	Video	Podcast	Interactivity
Linear	Static	Temporal	Non-visual	Simulation
Explicit	Immediate	Experiential	Immediate	Assessment/Reinforcement
Sequential	Wholistic	Emotional	Textual	Case Study
Precise		Narrative	Mobile	Games
				Creation

Tools

Design	Graphics	Audio, Video, Animation	Engagement	Knowledge Application
Miro	Canva bbbb render		<image/> <section-header><section-header><section-header></section-header></section-header></section-header>	Qstream. Google Ogenially

CEEI Platform Logistics

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Academy Members can request access from <u>cmedepartment@childrens.harvard.edu</u>.

Qstream	Poll Everywhere	Mentimeter
 Enterprise acct. Multiple simultaneous users 	 Single use only Schedule in advance 	 Pro plan 20 seat limit

PICRAT Activity – Zoom Annotate

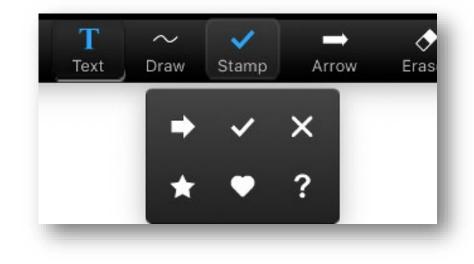
To open the Annotate toolbar:

- Click the pencil in the lower left of your Zoom screen
- OR, at the top of your Zoom screen go to View Options or to the (...) next to [Speaker]'s Screen
- Select Annotate

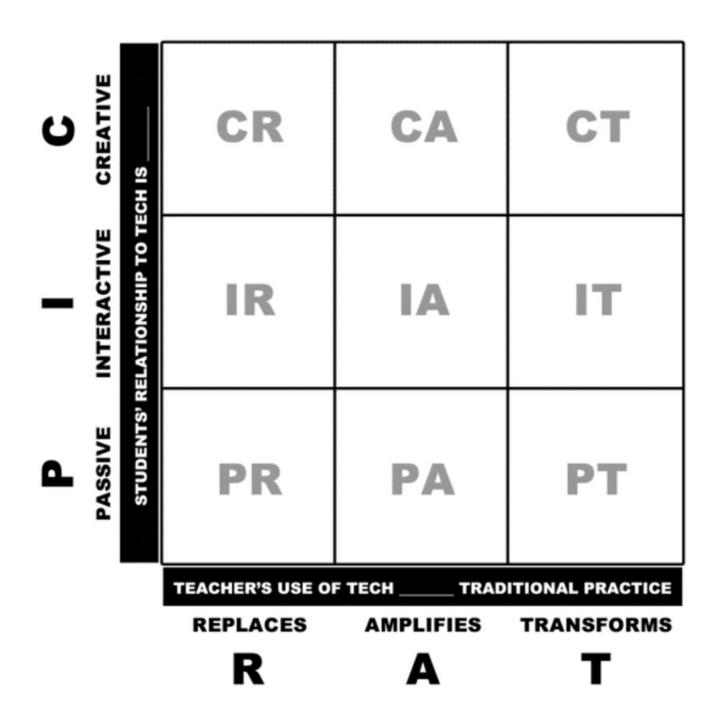
When the Annotate toolbar appears, select a **Stamp**

When prompted, consider the tool we are focusing on and place a stamp on the corresponding square of the PICRAT matrix



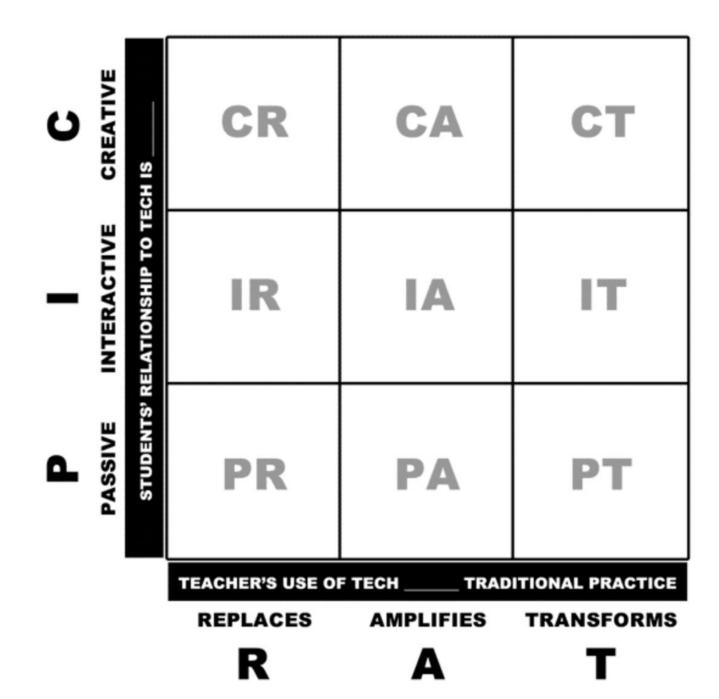




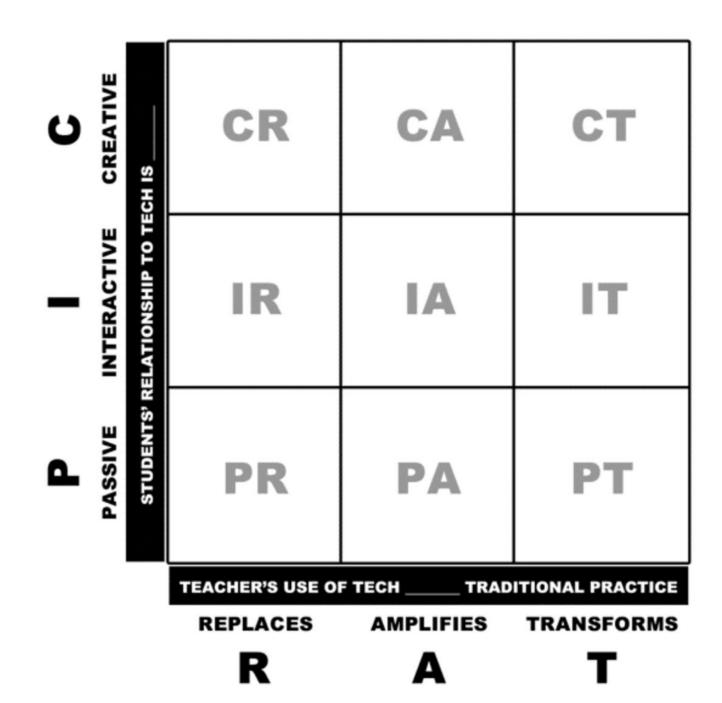




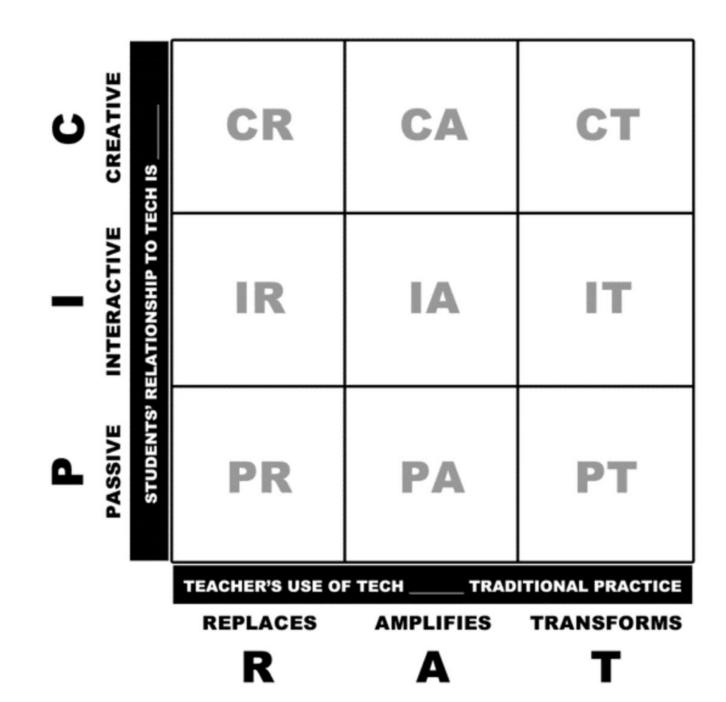
Padlet











Return to the Opening Exercise

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What was the role of this technology in this session?

