What’s the point?
What does CalTPA expect from candidates?
Why?
How to think about making ed tech decisions
A few tools for your consideration
Examples per the rubric
How to avoid feeling overwhelmed
Two big questions:

What if tech is limited or non-existent?

What if I teach K-2?

And more for all grade levels...
Beginning teachers... design
Beginning teachers...

design

implement
Beginning teachers... design implement evaluate
Tech rich learning environments
they integrate...

subject matter knowledge
they integrate...

subject matter knowledge

pedagogy
they integrate...

subject matter knowledge

pedagogy

available tech tools
...in order to
engage and support ALL students in learning
improve conceptual understanding
cultivate critical thinking
promote creative learning
...AND

provide personalized tech rich lessons

promote digital literacy

offer multiple means to demonstrate learning

offer multiple means of assessment
digital or virtual
This is not about apps...
it’s about mindset...
PICRAT Matrix
P-I-C-R-A-T

Is students’ interaction:
Passive
Interactive
Creative?

Does teacher’s tech use:
Replace
Amplify
Transform?

traditional practice
JOIN A VIRTUAL FIELD TRIP

EXPLORER CLASSROOM

A program that beams Nat Geo explorers directly into classrooms from the field. Show your students that science, exploration, and conservation are alive outside their textbooks. Join a virtual field trip with a National Geographic Explorer!
Meet other classrooms from across town or across oceans!

November 13-14, 2018

Skype-a-Thon
Open Hearts. Open Minds.
In Polygraph students are paired up. One student picks the graph and answers questions, the other student asks the questions and tries to identify the chosen graph. Both students see the need for more precise vocabulary.

Need to Know
We invite students to solve challenging problems using the tools they already have. We create a need for new tools before we help students learn how to use them.

@MrsParadee
My Ss loved an @Desmos polygraph today. One of the first times Ss asked me for academic vocab. They had the need to communicate more clearly! #mmsfam #MTBoS #iteachmath

Learn more about Polygraph
Ketchup Container Estimates!!!
(days 221-224)

Use the Ketchup Containers Desmos Activity series of challenges with your class.
What needs to be demonstrated for CalTPA?
### Rubric 2.4 — Step 2: Teach and Assess (educational technology)

**Essential Question:** How does the candidate incorporate educational technology (digital/virtual tools and resources) to provide opportunities for students to achieve and/or demonstrate the content-specific learning goal(s)?

<table>
<thead>
<tr>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
</tr>
</thead>
<tbody>
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<td>Candidate does not provide opportunities for students to use or access educational technology to learn or demonstrate the content-specific learning goal(s).</td>
<td>Candidate uses educational technology to present information in a one-to-many learning environment for a drill or practice type activity to achieve and/or demonstrate the content-specific learning goal(s).</td>
<td>Candidate provides students with opportunities to use educational technology to achieve and/or demonstrate the content-specific learning goal(s).</td>
<td>All of Level 3, plus: Candidate provides students choice of a selected range of educational technology to use to achieve and/or demonstrate content-specific learning goal(s). Students use educational technology to facilitate and enhance peer or group collaboration in or beyond the classroom (e.g., online documents, email pen pals, online interviews with students at another school or in another state or country).</td>
<td>All of Levels 3 &amp; 4, plus: Students are knowledgeable enough about educational technology to independently choose which educational technology resources they want to use to achieve, demonstrate, and extend beyond the learning goal(s) of the lesson (e.g., students choose to use a graphics program to create and add images to their online document without being told to do this by the candidate).</td>
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**TPEs and Elements:** TPE 3, Elements 6, 8; TPE 4, Elements 4, 7, 8

**Primary Sources of Evidence:**
- 4 Annotated Video Clips
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Required video clip

“Student use of educational technology supports or demonstrates their content-specific learning.”

What if I teach K-2?
“Provide a balance of activities in programs for young children, recognizing that technology and interactive media can be valuable tools when used intentionally with children to extend and support active, hands-on, creative, and authentic engagement with those around them and with their world.”

https://www.naeyc.org/sites/default/files/globally-shared/downloads/PDFs/resources/topics/PS_technology_WEB.pdf
Student portfolios, an activity library, and family communication all in one place
Gain insights to meet your students where they are

Understand strengths and areas for growth in real time so you can differentiate instruction to meet the needs of all your students.
Educators

Digital storytelling is perfect for STEAM or STEM integration, language acquisition, interactive lessons, oral reading, collaborative writing, sequencing, class projects, year books, "how to" videos, common core lessons, webinars, online education...
What if my site has limited tech tools?
A few ideas:

- Set up a center with just one device and a task to be accomplished
- Students can BTO
- Students can use candidate’s
To sum up...
Planning

Begin with the end in mind

- Who am I teaching?
- What do they already know?
- What do I want them to know or be able to do?
- How well?
- How will I know that they have achieved or demonstrated the learning goal?
- What learning activities will foster that result?
Resources

Desmos (math and more)
Flipgrid 1
Flipgrid 2
Flipgrid tips for teachers
Assessment

- **A variety of tech tools for formative assessment**
  (including Plickers, a one-to-many tool)