



California Teaching Performance Assessment



CalTPA Coordinators' Meeting

Update for Preliminary Multiple and Single Subject Preparation Programs

April 17 & May 13, 2019

Introductions

California Commission on Teacher Credentialing

Amy Reising, Director of Performance Assessment Development Wayne Bacer Ed.D., Teaching Performance Assessment (TPA) Consultant Gay Roby, Professional Services Division (PSD) Consultant Katy Croy, Professional Services Division (PSD) Consultant



Introductions

Evaluation Systems group of Pearson

- Maureen Lynch, Director Educator Performance Scoring
- Tina Frushour, Program Manager
- Laurie Thornley, Program Manager

Guest Speaker

Melissa Meetze-Hall, San Bernardino and Riverside County Offices of Education



Agenda

- Welcome / Norms
- Year One in Review
- Candidate Submission Observations
- Coordinator Role and Expectations
- Program Resource Updates
- Transition to Year Two
- Up and Coming Events



CalTPA Meeting Norms

- Attentive listeners
- Honor agenda and timeframes
- Seek to listen
- Do not repeat what someone else said
- Being fully present and turn off technology, step out for calls, etc.



CalTPA Meeting Norms

Honor all points of view

- Respectful listening, don't judge
- Provide space for everyone to participate
- Mindful to allow others time to speak (speak but not too long)







- CalTPA Operational Assessment Materials Published September 18, 2018
- CalTPA Registration & Submission Launch October 9, 2018
- First submission deadline October 25, 2018 (followed by one or more per month through summer 2019)
- First reporting date November 29, 2018 (followed by one or more per month through summer 2019)
- Supports provided: Thursday office hours, VTTs, webinars, website, technical assistance through Pearson



- Submissions to date more than 6,500
- 97% overall met initial threshold to pass

	Cycle 1	Cycle 2
Multiple Subject	2,728	1,193
Single Subject	1,937	708

400 MS and SS assessors trained and calibrated









Candidate Submission Observations



- Vast majority of candidates registered and submitted cycle evidence appropriately
- Candidates used the internal annotation tool to annotate video clips with ease
- Faculty and candidates understood and followed directions in the guide and templates
- Candidates followed guidelines for page length and video length
- Candidates were thoughtful and provided submissions that could be scored by assessors



Challenges:

- Candidates used incorrect templates (e.g., field test templates). Be sure candidates have access to and USE correct templates. Better to use templates than not to use.
- Candidates did not always use professional writing when describing students' learning needs
- Candidates struggled with understanding Standard English speakers



Challenges:

- UDL was unclear or used generally for all instructional decisions
- Reflective writing vague; not sure how to cite their work or research
- Candidates did not maintain candidate/school anonymity
- Used National Standards vs. CA Standards and Frameworks (math and science)
- Co-teaching (must be candidate's own work)



Narratives:

Candidates submitted narratives that were too long OR too short

Videos:

- Candidates submitted video clips that were too long OR too short
- Candidate and students must be seen in all video clips
- Annotations provided did not match video clips



Registration and Uploading Submissions:

Candidates uploaded submissions in the wrong content area

- MS candidates need to complete MS submission
- SS candidates need to complete SS submission
- SS English candidates need to select English, not ELD (candidates should withdraw and re-register before submitting)





Do these findings align with your experience?

What was a challenge(s) you faced? How did you solve it?



Candidate Submission Observations – Cycle One

Some candidates struggled with:

- Order of steps. Did not complete Step 1: Planning, prior to teaching and assessing in Step 2
- Writing appropriately about student 3 and their families
- Terminology: asset based planning, Standard English learner, funds of knowledge, developmental considerations, typical and atypical
- 3 different focus students
- Providing prior experiences and interests beyond what was relevant to the lesson



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Candidate Submission Observations – Cycle One

Some candidates struggled with:

- using a clear lesson plan (see optional plan provided)
- providing annotations that gave no rationale for video clip
- citing evidence from their own work Steps 1, 2, or 3 in reflection
- citing research within narrative to support findings
- cursory reflection
- redacting student names or school names





Do these findings align with your experience?

What was a challenge(s) you faced with Cycle 1? How did you solve it?



Candidate Submission Observations – Cycle Two

Some candidates struggled with:

- using informal assessments that provided feedback about content
- student self-assessment of content; modeling how to conduct
- developing rubrics with clear, qualitative descriptions of student KSA's
- writing lesson goals based on CA standards
- providing detailed feedback to students based on rubrics for all assessments
- clearly noting academic language development for learning segment
- student use of educational technology; early grades



Candidate Submission Observations – Cycle Two

Some candidates struggled with:

- submitting 3 Student work samples with feedback (PE, Music, H/SS)
 - Student work vs rubrics
 - Student performance videos and scored rubrics/feedback
- Cycle 2 extension activity vs. re-teaching based on data from informal, student self-assessment, and formal assessment
- submitting two distinct lessons (situation where candidates reworked Cycle 1 and resubmitted an expanded version of the Cycle 1 lesson for Cycle 2)
- annotations too short or did not match video clip; no rationale provided







Do these findings align with your experience?

What was a challenge(s) you faced with Cycle 2? How did you solve it?





Questions?





Role of the CalTPA Coordinator



Coordinator Role and CTC Expectations

- Attend CTC CalTPA Coordinator workshops/meetings (or send designee) in person or online
- Act as primary ES and CTC Contact for CalTPA information
- Receive and disseminate score report data (you may designate appropriate others to receive score report data)
- Disseminate CalTPA information to program stakeholders (Dean, faculty, adjunct faculty, supervising teachers, candidates)





Coordinator Role and CTC Expectations

Provide program guidance and oversight

- Program and curriculum integration with CalTPA (embedding the CalTPA cycles into coursework and field work)
- Faculty updates, training, and support
- Master/mentor/supervising teacher updates, training and support (include in 10 hour required training)
- Candidate materials, updates, registration and technology support, and remediation/retakes (as needed)
- Appropriate MS/SS placement

www.ctcexams.nesinc.com





Educator Prep Program (EPP) support mailbox: CalTPA: <u>es-caltpa@pearson.com</u>

PSD-news: Subscribe/Unsubscribe: https://www.ctc.ca.gov/commission/newsletters/ psd-news





As a coordinator, what best practices have you used to support faculty? To support candidates?



CalTPA Implementation Considerations

- Appropriate Candidate Placement
 - Placement site selection and coordination
 - -English learner
 - -Students with IEP/504/gifted
 - -Educational technology
 - -Elementary, Middle, or High School
 - -Appropriate access to student information
- MS content order: Candidates choose what cycle to complete first and what content area (literacy or mathematics)
 - Subject matter may be integrated





CalTPA Implementation Considerations

• Determine number of candidate retakes allowed (candidate must be enrolled in a program to complete and submit the CaITPA)

Create process for remediation support/resubmissions

Option to purchase vouchers for candidate registration





What other Implementation Considerations have you encountered? How did you work with colleagues to address the needs at your program?



Faculty Development

- Asset-based instructional design
- Support for student who has suffered trauma in or outside of school (3rd focus student)
- Standard English learner
- Writing professionally about students' learning needs
- Universal Design for Learning
- HOTs within content areas
- Watching video-recorded practice and discussing qualities



Faculty Development

- Using CalTPA rubrics with assignments
- Informal assessment
- Student self-assessment
- Reflective writing
- Citing evidence of practice
- Use CA standards and frameworks
- Making sure that candidates self-assess work or peer-assess work prior to submission



California Teaching Performance Assessment

Universal Design for Learning

Flexible learning environments to address individual learning differences:

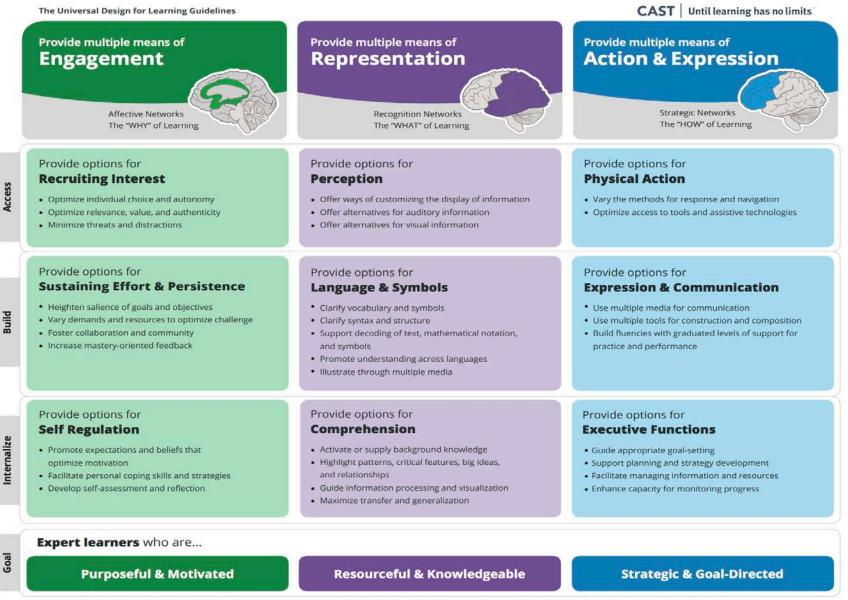
Focuses on 3 key principles:

- Principle 1: Provide multiple means of representation (the *what* of learning)
- Principle 2: Provide multiple means of action and expression (the *how* of learning)
- Principle 3: Provide multiple means of engagement (the *why* of learning)



Understanding Universal Design for Learning

April 2019 Dr. Melissa Meetze-Hall San Bernardino County Superintendent of Schools

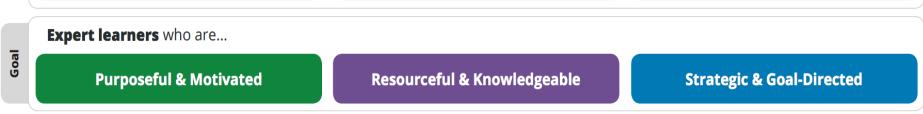


udiguidelines.cast.org | © CAST, Inc. 2018 | Suggested Citation: CAST (2018). Universal design for learning guidelines version 2.2 [graphic organizer]. Wakefield, MA: Author.

Dr. Melissa Meetze-Hall

The Goal of Universal Design for Learning

 Foundationally, UDL is about developing expert learners.



udlguidelines.cast.org | © CAST, Inc. 2018 | Suggested Citation: CAST (2018). Universal design for learning guidelines version 2.2 [graphic organizer]. Wakefield, MA: Author.

The UDL framework guides the design of learning opportunities

UDL is a framework

- UDL is not:
 - An initiative
 - A curriculum
 - A toolkit
 - Therefore.... UDL implementation requires...
 - Time
 - Patience
 - Intentionality

UDL may contradict educators' beliefs about teaching and learning.

UDL is subtle, yet impactful, small changes.

- 1. UDL should be applied to the learning environment
 - Access to learning
 - Scaffolds
 - Opportunities for students to become expert learners
- 2. UDL is not:
 - A checklist
 - Easily quantifiable
 - Throwing out and starting over

Key Points

- 1. UDL is not a checklist
- 2. UDL includes small (subtle) changes
- 3. UDL varies in every context
- 4. UDL asks us to reconsider learning goals
- 5. UDL asks us to consider barriers to learning



Clarify Our Understanding

- Are you wondering about engagement?
- Are you wondering about level of understanding on your campus?
- Do you wonder about the clinical experience of your candidates?



UDL Hub at San Bernardino County Superintendent of Schools

- Three training dates for educational leaders:
 6.18.2019 Location TBD
 7.11.2019 Location TBD
 8.28.2019 Location TBD
- For Information, please contact:
- Melissa Meetze-Hall
- Melissa.Meetze@sbcss.net
- ▶ 951 312-1685

Please contact me...

Melissa.Meetze@sbcss.net951 826 6773

Lunch – 12:00 – 12:45







Program Resource Updates



Example Submissions – Coming Soon!

- Mid-range submissions
- Entire submissions, including all written and video evidence
- Available online to CalTPA program coordinators via secure portal
- Access instructions to be made available soon
- To be released on a rolling basis beginning with Multiple Subject Cycle 1 - Literacy





Website Resources

www.ctcexams.nesinc.com





Candidate Assessment Results Report

- Per Cycle
 - Rubric-level Scores and Descriptors
 - Total Score
- Assessment Performance Summary
 - Status and Reporting Date for All Cycles
 - TPA Requirement Met Status
- Understanding Your CalTPA Assessment Results Report
 - Each Section of Report
 - Condition Codes



Candidate Assessment Results Report

CalTPA Cristomia Teaching Reformance Assessment	Assessment Results	Report	
Firstname Lastname Street Address	Social Security Number: Submission Deadline:		
City, State, Zip Code	Cycle Step and Rubric	Rubric Score	
our assessment results will be reported to the Com approved educator preparation program: <i><insert ep<="" i=""></insert></i>	Step 1: Plan		
lultiple Subject Instructional Cycle 1: L (M Rubric Per	Rubric outcomes for students?	e's proposed learning goal(s) connect with prior knowledge and define specific How do proposed learning activities and instructional strategies support, engage, ints to meet the learning goal(s)?	
cycle Step and Rubric	knowledge.	nageable and appropriate goal(s) that clearly build on students' prior content	
itep 1: Plan	Candidate clearly identifies the kinds goal and the assessment(s) they will		
Rubric 1.1 How does the candidate's proposed learn outcomes for students? How do proposed and challenge all students to meet the lea	Lesson plan includes learning activiti students, and grouping strategies are	Rubric 1.8 How will the candidate apply what they have learned in Cycle 1 about students' learning to future instructional design to strengthen and extend students' understanding of content and develop aca language?	demic
andidate's lesson plan includes manageable and approproved appropriate the contract of the con		< <merge appropriate="" from="" in="" spreadsheet="" statement="">></merge>	3
andidate clearly identifies the kinds of evidence they will oal and the assessment(s) they will use to make this det esson plan includes learning activities that are appropria udents, and grouping strategies are appropriate.	ermination.	Instructional Cycle 1 Total Score	21
	sing knowledge of FS1's (English learner) assets content-specific lesson goal(s)?	s and needs* to	



California Teaching Performance Assessment

Candidate Assessment Results Report

Instructional Cycle Performance Summa	ry
Instructional Cycle	Status and Reporting Date
Multiple Subject Instructional Cycle 1: Learning About Students and Planning Instruction (Mathematics)	Pass MM/DD/YY
Multiple Subject Instructional Cycle 2: Assessment-Driven Instruction (Literacy)	Did Not Pass MM/DD/YY
TPA Requirement Met Status	Requirement Not Yet Met



Condition Codes

Condition Code	Condition Code Name
А	CalTPA submission requirements not met.
В	Video must conform to the technical specifications and be viewable by assessors.
С	Audio file is not of the appropriate length or quality, are edited or are unplayable or inaudible.
D	Document is not of the appropriate length or quality.
E	Insufficient or excessive information to score.
F	English translation requirement not met.
G	Video annotation requirements not met.
Х	No numeric score due to Condition Code(s) elsewhere in Cycle.



Condition Codes

Condition Code	Condition Code Name
D1	Document is not of the appropriate length or quality.
D2	Insufficient information is submitted to be able to evaluate performance.
D3	Inaccessible document file; document file could not be opened for technical reasons.
D4	Documents are illegible.
D5	Hyperlinks are provided in lieu of required evidence.



Condition Codes

Condition Code	Condition Code Name
A2	Submission corresponds to a different content area than the area for which the Candidate registered.
D2	Insufficient information is submitted to be able to evaluate performance.
E2	Incorrect file was uploaded to the designated location.



Candidate Results for Preparation Programs

edReports Data Portal

- Candidate Status file
- Institution Data file
 - Assessment requirements met
 - Cycle passing status & scores
- ResultsAnalyzer
 - Candidate-level data
 - Aggregate-level data



4.1 Candidate Status File

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rc2xxx-CS2018-2019.csv - Excel

FILE HOME INSERT PAGELAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

E24 \checkmark : $\times \checkmark f_x$

	А	В	С	D	E	F	G	Н	Ι	J	K	L
. 1	ProjectCod	e InstitutionName	Candidate_Name	NCN	CalTPA_Assessment	Status	RegistrationDatePT	SubmissionDatePT	WithdrawalDatePT	ExpiredDatePT	VoucherNumbe	r FieldSpecialt
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181009 22:07:41.283	20181022 20:22:54.153				English
(CalTPA				Social Science Cycle 1: Learning About Students and Planning Instruction	Submitted	20181013 08:40:41.177	20181129 23:56:23.290				
(CalTPA				Social Science Cycle 1: Learning About Students and Planning Instruction	Submitted	20181014 12:15:20.520	20181129 23:38:51.340				
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181014 13:48:58.200	20181127 01:42:12.067				English
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181014 14:33:10.203	20181022 00:08:57.720				English
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181015 00:02:03.937	20181129 15:45:27.390				English
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Mathematics)	Submitted	20181015 07:27:53.453	20181129 14:45:33.197				English
(CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181015 07:37:02.103	20181022 08:05:13.990				English
0	CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Mathematics)	Submitted	20181015 10:48:40.427	20181129 17:30:33.860				English
1 (CalTPA				English Cycle 1: Learning About Students and Planning Instruction	Submitted	20181015 10:54:05.040	20181025 23:47:43.213				
2	CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Literacy)	Submitted	20181015 15:38:06.700	20181127 14:29:01.967				English
3	CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Mathematics)	Submitted	20181021 12:36:43.703	20181025 17:07:33.893				English
4 (CalTPA				Multiple Subject Cycle 1: Learning About Students and Planning Instruction (Mathematics)	Submitted	20181126 11:24:56.403	20181129 21:53:34.707				English



4.2 Layout File: CalTPA Requirements

rc2req_readme.txt - Notepad

File Edit Format View Help

Evaluation Systems Pearson California CalTPA Candidate Data File - Requirements Record Layout and Specifications Revision Date: October 26, 2018" Each data file name will be in the form: rc2xxxreqYYYYMMDD.txt where: "r"" indicates a file in the score reporting system ""c2"" indicates the California Teaching Performance Assessment (CalTPA)" xxx is the Institution code YYYYMMDD is the score report release date This document describes the results file prepared for California colleges and universities. The data file for each administration date or submission "deadline contains test results for those candidates who indicated, during" "registration, that their results should be forwarded to your institution. The information contained herein is confidential and must not be disclosed to unauthorized persons. Appropriate safeguards must be implemented by all personnel to protect against the improper disclosure of information. Individual candidate results are confidential and are for the purpose of California teacher certification only. They are NOT intended to be used for employment "decisions, college admission screening, or any other purpose." The record layout for the .txt file(s) is shown below. Width Format Description Start End 9 9 Social Security Number 1 N 10 17 8 Reporting Date (CCYYMMDD) Ν 18 20 3 Assessment Code (see table below) N 21 21 1 х Blank 22 38 17 Α Last Name 39 48 10 First Name А 49 49 1 Middle Initial А 50 50 1 х Blank 51 58 8 Birthdate (CCYYMMDD) Ν 59 59 1 х Blank 60 61 2 "Preparation Program (SS=Single Subject, MS=Multiple Subject)" А 62 62 1 N "Requirement Met Status (1=Requirement Met, 2=Requirement Not Yet Met)"



4.3. Layout File: CalTPA Cycle Record

rc2cycle_readme.txt - Notepad

File Edit Format View Help Evaluation Systems

Pearson California CalTPA Candidate Data File - Cycle Record Layout and Specifications

"Revision Date: October 26, 2018" Each data file name will be in the form: rc2xxxcycleYYYYMMDD.txt where: ""r"" indicates a file in the score reporting system" ""c2"" indicates the California Teaching Performance Assessment (CalTPA)"

- xxx is the Institution code

YYYYMMDD is the score report release date

This document describes the results file prepared for California colleges and universities. The data file for each administration date or submission "deadline contains test results for those candidates who indicated, during" "registration, that their results should be forwarded to your institution."

The information contained herein is confidential and must not be disclosed to unauthorized persons. Appropriate safeguards must be implemented by all personnel to protect against the improper disclosure of information.

Individual candidate results are confidential and are for the purpose of California teacher certification only. They are NOT intended to be used for employment "decisions, college admission screening, or any other purpose."

The record layout for the .txt file(s) is shown below.

Start	End	Width	Format	Description
1	9	9	N	Social Security Number
10	17	8	Ň	Reporting Date (CCYYMDD)
18	20	3	Ň	Field Code (see table)
21	21	1	X	Blank
		17		
22	38		A	Last Name
39	48	10	А	First Name
49	49	1	А	Middle Initial
50	50	1	x	Blank
51	58	8	N	Birthdate (CCYYMMDD)
59	59	1	x	Blank
60	61	2	N	"Number of Attempts (Count of the number of times candidate has attempted this field, excluding attempts that resulted in a score void)"
62	63	2	A	"Cycle Passing Status (P=Pass. F=Not Pass. NS=Not scoreable) Note: Field is right justified"
64	65	2	N	cycle Total Score
66	66	1	N	"Gender (0=n/a, 1=Male, 2=Female)"
67	68	2	N	"Ethnicity (00-19, see tables below)"
69	71	3	AN	Rubric 1 Score or Condition Code and Detail
67 69 72	74	ž	AN	Rubric 2 Score or Condition Code and Detail
75	77	ž	AN	Rubric 2 Score of Condition Code and Detail
78	80	3	AN	Rubric 3 Score of Condition Code and Detail
81	83	3	AN	Rubric 4 Score or Condition Code and Detail
	86	3		Rubric S score or Condition Code and Detail
84		2		
87	89	2	AN	Rubric 7 Score or Condition Code and Detail
90	92	3	AN	Rubric 8 Score or Condition Code and Detail
93	95	3	AN (Rubric 9 Score or Condition Code and Detail (blank if reporting on cycle 1)
96	96	1	x	Blank
97	99	3	N	Institution (100-999)
100	101	2	A	"Preparation Program (SS=Single Subject, MS=Multiple Subject)"
102	102	1	N	"Program length (1=Less than 12 month program, 2=12 month program, 3=18 month program, 4=24 month program)"
103	103	1	N	"Program type (1=District Intern, 2=University Intern, 3=University Student Teaching Program, 4=Residency Program)"
104	104	1	N	"Placement setting (1=City, 2=Suburban, 3=Town, 4=Rural)"
105	105	1	N	"Placement school (1=Public, 2=Public charter, 3= Private)"
106	106	1	N	"Placement length (1=Less than 6 months, 2= 6-12 weeks, 3= 13 weeks to 6 months, 4=Longer than 6 months)"
107	108	2	N	"Placement grade level (1=TK,2=K, 3=1, 4=2, 5=3, 6=4, 7=5, 8=6, 9=7, 10=8, 11=9, 12=10, 13=11, 14=12)"
109	109	1	N	"Credit Hours (0= None, 1= 1-6 credit hours, 2= 7-15 credit hours, 3= 16-24 credit hours, 4=25 or more credit hours)"
110	110	1	Ň	"Language (1= English only, 2= English and one or more other languages, 3= One or more lagnuages other than English)"
111	112	2	N	Field Specialty (see table below)
111	112	4	IN	Field speciality (see cable below)



ResultsAnalyzer



Reports Sample Screens | 59



Transition to Year Two



Standard Setting Study

- May 8-9, 2019
- 20 panelists
- Recommend passing threshold for adoption at June 2019 Commission Meeting, including implementation date



Submissions Schedule

- Submission schedule for 2019-2020
 - At least one submission opportunity per month
 - More during the fall and spring
- Final schedule will be released to the field by May 1st



Cycle/Rubric Updates

- Clarity
- Consistency
- Alignment from guide to template to essential question to rubric
- Glossary update





- Clarified alignment from guide, to template, to essential question, to rubric levels
- Slightly revised optional lesson plan
- Determine new, appropriate page lengths
- Add in directions for bilingual submissions
- Emphasize use of CA standards
- Guide will direct candidates to online system
- Add terms to glossary (typical and atypical, have HOTs match)





- Reformat guide to highlight important notes and reminders to candidates
- Remove Video Clip labels of Opening of the lesson, Middle of the lesson, and Closing of lesson
- Revise explanation of annotations
- Tighten up rubrics so that essential question maps to level 3
- Clarify use of and, or, as well as and/or
- Changed Primary Source to Source of Evidence at bottom of rubric





- Clarified alignment from guide, to template, to essential question, to rubric levels
- Determine new, appropriate page lengths
- Emphasize use of CA standards
- Guide will direct candidates to online system
- Add terms to glossary (typical and atypical, have HOTs match)
- If teaching in bilingual setting, what is the language of instruction?
- Removed criteria...use rubric only





- Moved submission of 3 types of assessments to Step 1 (informal and student self-assessment had been in Step 2)
- Clarified that if formal assessment is a student performance, that the performance must be captured in a video recording and submitted for 3 students
- Revised how feedback will be provided for student performance videos





Questions?



Future Updates

- Special Education TPA
 - May revise of CA State budget
 - If funding remains: work will begin summer of 2019
- Bilingual
 - All languages
 - Check language in registration process
 - Language fluent assessor with calibrated MS or SS assessor
- Faculty training: developed this summer, offered regionally



Upcoming Events

- CTC Meeting June 13-14
- Summer Faculty Trainings (TBA)
- Office Hours/Monthly VTTs (TBA)
- Fall assessor training September/October 2019
- CalCouncil October 17-19, 2019
- Fall CUE Conference October 19-20, 2019
- CCAC Fall Conference November 6-8, 2019
- Spring CUE Conference March 19-21, 2020



California Teaching Performance Assessment *Higher Education Network

Dr. Lesley Farmer he@cue.org

CUE HEN* Teacher Preparation Progam Initiative

The Higher Education Network's mission is to serve the broad

College and University faculty within CUE's membership. We

colleges and universities, to inspire and nourish a dynamic,

excellence in higher education through the effective and

appropriate use of technology for teaching and learning.

cutting-edge, collegial network of professionals dedicated to

seek to connect faculty and staff at public and private

CUC Higher Ed Network





Questions?





Thank You for Attending

Technical questions: <u>es-caltpa@pearson.com</u> Policy questions: <u>areising@ctc.ca.gov</u>, <u>wbacer@ctc.ca.gov</u>

Website: www.ctcexams.nesinc.com

