

APPENDIX A

Evaluation Rubric for Teacher Resource Apps

A. Efficiency: The following dimensions analyze if teachers can complete tasks in a quicker, more effective manner.					
A1. Productivity: Does the app have potential to make the teacher more efficient when completing routine tasks?					
5	4	3	2	1	NA
The app will likely make teachers more efficient.	The app will likely make teachers somewhat more efficient.	The app will likely not make teachers more or less efficient.	The app will likely make teachers less efficient.	The app will likely make teachers significantly less efficient.	Not Applicable
A2. Frequency: How often will teachers utilize this app?					
5	4	3	2	1	NA
Teachers could use this app daily.	Teachers could use this app weekly.	Teachers could use this app monthly.	Teachers could use this app once a semester.	Teachers could use this app one time and not return to it.	Not Applicable
A3. Guidance: Does the app provide support to users (e.g. tutorials and help desk)?					
5	4	3	2	1	NA
The app provides tutorials and a help desk, which are detailed. Plus, users can contact the developers with specific questions.	The app provides tutorials and a help desk that includes detailed information.	The app provides tutorials or a help desk that includes detailed information.	The app provides tutorials or a help desk, but the information is general.	The app does not provide any support.	Not Applicable
A4. Relevance: Will teachers of all grade levels and disciplines find this app useful?					

5	4	3	2	1	NA
Teachers from all grade levels and/or disciplines will likely find this app useful.	Teachers from most grade levels and/or disciplines will likely find this app useful.	Teachers from some grade levels and/or disciplines will likely find this app useful.	Teachers from few grade levels and/or disciplines will likely find this app useful.	Teachers of a specific grade level and/or disciplines will likely find this app useful.	Not Applicable

A5. Credibility: Is the app’s content validated by a reputable source (e.g. endorsed by professional organizations, government agencies, educational laboratories, best practices, or supported by research)?

5	4	3	2	1	NA
The app’s content has been validated by a highly reputable source.	The app’s content has been validated by a reputable source.	The app’s content has been validated by a commercial source.	The app’s content has not been validated.	The app’s content has been flagged by a reputable source.	Not Applicable

A6. Differentiation: Does the app include features for individualizing the learning experience for students?

5	4	3	2	1	NA
The app has four or more features that individualize the learning experience for students.	The app has three features that individualize the learner experience for students.	The app has two features that individualize the learner experience for students.	The app has one feature that individualizes the learner experience for students.	The app does not have implications for individualized instruction.	Not Applicable

B. Functionality: The following dimensions analyze how an app’s construction supports teachers in completing tasks.

B1. Multipurpose: Is the app able to perform multiple tasks (e.g. store grades, record student behavior, communicate to other stakeholders, create lesson plans, and / or design assessments)?

5	4	3	2	1	NA
The app performs five or more tasks.	The app performs four tasks.	The app performs three tasks.	The app performs two tasks.	The app performs one task.	Not Applicable
B2. Collaboration & Communication: Are teachers able to share ideas, resources, lesson plans, and strategies with other stakeholders?					
5	4	3	2	1	NA
Teachers can collaborate and communicate synchronously with other teachers.	Teachers can collaborate and communicate with other teachers asynchronously.	Teachers can collaborate or communicate synchronously with other teachers.	Teachers can collaborate or communicate with other teachers asynchronously.	Teachers cannot collaborate or communicate with other teachers using this app.	Not Applicable
B3. Ability to Save Progress: Does the app allow users to return to the content they were last engaging after exiting the app?					
5	4	3	2	1	NA
After exiting an app, users can reopen the app and automatically return to the content they were last engaging when they logged off.	After exiting an app, users can reopen the app and resume engaging it in close proximity to where they were when they logged off.	After exiting an app, users can reopen the app and manually select the content they were last engaging when they logged off.	After exiting an app, users can reopen it and manually select the content they were last engaging when they logged off, but the content may be different.	After exiting an app, users must begin on the first level when returning to the app.	Not Applicable
B4. Modifications: If teachers need to correct or modify data already in the app, can they do so easily?					
5	4	3	2	1	NA
If incorrect data is entered, the app's authentication system will correct the format, or it will identify the mistake and not allow the data to be saved until the mistake	If incorrect data is entered, the app's authentication system will identify the incorrect data, and the incorrect data can be saved. Teachers can correct the	If incorrect data is entered, the app's authentication system will identify the incorrect data, and the incorrect data can be saved. Teachers can correct the mistake, but	If incorrect data is entered, the app's authentication system will identify the incorrect data, but the app does not provide teachers with any	If incorrect data is entered, the app's authentication will not identify it, or the app does not include an authentication system.	Not Applicable

is fixed (e.g. a letter grade is accidentally entered in for a numerical grade).	mistake by visiting only one screen.	they must visit two or more screens to do so.	additional assistance for correcting the data.		
B5. Platform Integration: Is the app enhanced by how it connects to (1) other apps, (2) online communities, (3) independent websites, and (4) users' email?					
5	4	3	2	1	NA
The app is enhanced with how it integrates with all four of the listed connections.	The app is enhanced with how it integrates with three of the listed connections.	The app is enhanced with how it integrates with two of the listed connections.	The app is enhanced with how it integrates with only one of the listed connections.	The app does not integrate with any of the listed connections.	Not Applicable
B6. Security: Is the data entered into the app secure?					
5	4	3	2	1	NA
A password must be entered each time data are accessed and users will be timed out of the app after a period of inactivity.	A password must be entered each time data are accessed or if different types of data are accessed.	A password is required when logging into the app, but not afterwards.	A password is required when first registering with the app, but it is not used again.	No password is required for this app.	Not Applicable

C. Design: The following dimensions analyze an app's layouts and use of media.					
C1. Navigation: How easily can users move through the app's content and options?					
5	4	3	2	1	NA
Users can move through the app's content and options fluidly.	Users need to put forth some effort to move through the app's content and options.	Users need to make multiple clicks and/or swipes to move through the app's content and options.	Users are somewhat impeded from moving fluidly through the app's content and options because of its organization.	Users encounter substantial challenges when trying to move through the app's content and options because of its disjointed organization.	Not Applicable

C2. Ease of Use: Is the app intuitive and are users able to engage it with minimal guidance?					
5	4	3	2	1	NA
Users are able to engage the app immediately with no guidance.	Users are able to engage the app immediately with minimal guidance.	Users are able to engage the app, but only after some guidance.	Users are able to engage the app, but only after substantial guidance.	Users are able to engage the app, but training materials are continually needed to do so.	Not Applicable
C3. Customization: Can users personalize the app by setting individual preferences (e.g. background music, images, avatars) easily?					
5	4	3	2	1	NA
Users can personalize four or more features of the app.	Users can personalize three features of the app.	Users can personalize two features of the app.	Users can personalize one feature of the app.	Users cannot personalize the app.	Not Applicable
C4. Aesthetics: Will the app's graphics and interface likely motivate users to engage it?					
5	4	3	2	1	NA
The app's graphics and interface will most likely motivate users to engage it.	The app's graphics and interface may motivate users to engage it.	The app's graphics and interface will likely have no impact on whether or not users are motivated to engage it.	The app's graphics and interface will likely deter users from engaging it.	The app's graphics and interface will most likely deter users from engaging it.	Not Applicable
C5. Screen Design: Is the app's text, graphics, videos, sound, and speech well-organized?					
5	4	3	2	1	NA
The app's text, graphics, videos, sound, and speech are always organized in a way that enhances the app's content.	The app's text, graphics, videos, sound, and speech are usually organized in a way that complements the app's content.	The app's text, graphics, videos, sound, and speech are organized in a way that does not enhance or detract from the app's content.	The app's text, graphics, videos, sound, and speech are not well organized and may detract from the app's content.	The app's text, graphics, videos, sound, and speech are cluttered and confusing, which detracts from the app's content.	Not Applicable
C6. Information Presentation: Is the app's content presented in a logical manner? (e.g. the app's content grows increasingly					

rigorous as users experience success, the app activates users' background knowledge before presenting them new information, and/or the app provides an overview of its content before users engage specific tutorials or activities.)					
5	4	3	2	1	NA
The app's content is presented in a logical manner.	The app's content is presented in a manner that is mostly logical.	The app's content is presented in a manner that is somewhat logical.	The app's content is presented in a manner that is somewhat illogical.	The app's content is presented in an illogical manner.	Not Applicable
C7. Media Integration: Are the app's texts, graphics, videos, sounds, and speech integrated effectively so each of the app's media components complements each other and forms a cohesive program?					
5	4	3	2	1	NA
The app's text, graphics, videos, sounds, and speech are integrated seamlessly to form a cohesive program.	The app's text, graphics, videos, sounds, and speech are integrated adequately to form a cohesive program.	The app's text, graphics, videos, sounds, and speech are integrated poorly, but they still form a mostly cohesive program.	The app's text, graphics, videos, sound, and speech are mismatched to the app's content, but they still form a somewhat cohesive program.	The app's text, graphics, videos, sound, and speech are mismatched to the app's content, and it does not form a cohesive program.	Not Applicable
C8. Free of Distractors: Is the app free of advertisements and other distracting features? If advertisements and/or other distracting features are part of the app, are they embedded in a way that does not interfere with teachers being able to use the app?					
5	4	3	2	1	NA
There are no advertisements or potentially distracting features.	There are advertisements and other potentially distracting features, but they only appear on occasional screens in this app, and they are embedded in a way that minimizes their presence.	There are advertisements and other potentially distracting features that appear on each screen in this app, but they are embedded in a way that minimizes their presence.	There are advertisements and other potentially distracting features that interfere with teachers using this app.	There are advertisements and other distracting features that diminish the quality of the app's content	Not Applicable

