Scoring Guide for TPSA-C21

The TPSA-C21 is an update from the original 20 item TPSA created by M.M. Ropp. The original 20 items included four factors.
Factor 1 – Email and includes Items 1-5
Factor 2 – WWW and includes Items 6-10
Factor 3 – Integrated Applications and includes Items 11-15
Factor 4 – Teaching with Technology and includes Items 16-20

Fourteen new items related to emerging technologies were added by Christensen & Knezek.
Factor 5 – Teaching with Emerging Technologies includes Items 21-28
Factor 6 – Emerging Technologies Skills includes Items 29-34

To score the survey instrument, sum each of the items on each factor and divide by the number of items to get a factor score for each of the constructs.
A paper on the factor structure of the new instrument was published in the Journal of Digital Learning in Teacher Education.

Technology Proficiency Self-Assessment for 21st Century Learning (TPSA C21)

I feel confident that I could...

	SD	D	U	A	SA
1. ...send e-mail to a friend.	1	2	3	4	5
2. ...subscribe to a discussion list.	1	2	3	4	5
3. ...create a distribution list" to send e-mail to several people at once.	1	2	3	4	5
4. ...send a document as an attachment to an e-mail message.	1	2	3	4	5
5. ...keep copies of outgoing messages that I send to others.	1	2	3	4	5
6. ...use an Internet search engine (e.g., Google) to find Web pages related to my subject matter interests.	1	2	3	4	5
7. ...search for and find the Smithsonian Institution Web site.	1	2	3	4	5
8. ...create my own web page.	1	2	3	4	5
9. ...keep track of Web sites I have visited so that I can return to them later. (An example is using bookmarks.)	1	2	3	4	5
10. ...find primary sources of information on the Internet that I can use in my teaching.	1	2	3	4	5
11. ...use a spreadsheet to create a bar graph of the proportions of the different colors of M&Ms in a bag.	1	2	3	4	5
12. ...create a newsletter with graphics.	1	2	3	4	5
13. ...save documents in formats so that others can read them if they have different word processing programs (eg., saving Word, pdf, RTF, or text).	1	2	3	4	5
14. …use the computer to create a slideshow presentation.	1	2	3	4	5
15. ...create a database of information about important authors in a subject matter field.	1	2	3	4	5

16. …write an essay describing how I would use technology in my classroom.   1   2   3   4   5

17. ...create a lesson or unit that incorporates subject matter software as an integral part.   1   2   3   4   5

18. ...use technology to collaborate with teachers or students, who are distant from my classroom.   1   2   3   4   5

19. … describe 5 software programs or apps that I would use in my teaching.   1   2   3   4   5

20. ...write a plan with a budget to buy technology for my classroom.   1   2   3   4   5

21. …integrate mobile technologies into my curriculum.   1   2   3   4   5

22. …use social media tools for instruction in the classroom. (ex. Facebook, Twitter, etc.)   1   2   3   4   5

23. …create a wiki or blog to have my students collaborate.   1   2   3   4   5

24. …use online tools to teach my students from a distance.   1   2   3   4   5

25. …teach in a one-to-one environment in which the students have their own device.   1   2   3   4   5

26. …find a way to use a smartphone in my classroom for student responses.   1   2   3   4   5

27. … use mobile devices to connect to others for my professional development.   1   2   3   4   5

28. … use mobile devices to have my students access learning activities.   1   2   3   4   5

29. … download and listen to podcasts/audio books.   1   2   3   4   5

30. … download and read e-books.   1   2   3   4   5

31. … download and view streaming movies/video clips.   1   2   3   4   5

32. … send and receive text messages.   1   2   3   4   5

33. … transfer photos or other data via a smartphone.   1   2   3   4   5

34. … save and retrieve files in a cloud-based environment.   1   2   3   4   5