

Synthesis of Qualitative Data (SQD) Survey

Instructions: Select one level of agreement for each statement to indicate how you feel.

1 = Strongly Disagree, 2 = Disagree, 3 = Undecided, 4 = Agree, 5 = Strongly Agree

	<i>During my preservice training...</i>
	Role Models
1	I have seen many examples of technology use in an educational setting.
2	I observed sufficient technology use in an educational setting in order to integrate applications myself in the future.
3	I saw good examples of technology practice that inspired me to use technology applications in the classroom myself.
4	The potential of technology use in education was demonstrated concretely.
	Reflection
5	I was given the chance to reflect on the role of technology in education.
6	We discussed the challenges of integrating technology in education.
7	We were given the opportunity to discuss our experiences with technology in the classroom (internships, etc.)
8	There were specific occasions for us to discuss our general attitude towards technology in education.
	Instructional Design
9	I received sufficient help in designing lessons that integrated technology.
10	We learned how to thoroughly integrate technology into lessons.
11	We received help to use technology when developing educational materials.
12	I received a great deal of help developing technology-rich lessons and projects to use for my internship.
	Collaboration
13	There were enough occasions for me to work together with other students on technology use in education (i.e., we developed technology-based lessons together).
14	I was convinced of the importance of cooperation with respect to technology use in education.
15	Students helped each other to use technology in an educational context.
16	Experiences using technology in education were shared.
	Authentic Experiences
17	There were enough occasions for me to test different ways of using technology in the classroom.
18	I was able to learn to use technology in the classroom through the internships.
19	I was encouraged to gain experience in using technology in a classroom setting.
20	Students were encouraged when they attempted to use technology in an educational setting.
	Feedback
21	I received sufficient feedback about the use of technology in my lessons.
22	My competencies with technology were thoroughly evaluated.
23	I received sufficient feedback on how I can further develop my technology competencies.
24	My competencies in using technology in the classroom were regularly evaluated.

Adapted from Tondeur, J., van Braak, J., Siddiq, F., & Scherer, R. (2016). Time for a new approach to prepare future teachers for educational technology use: Its meaning and measurement. *Computers & Education* 94,134-150.

Validation Study: Knezek, G., Christensen, R., Smits, A., Tondeur, J., & Voogt, J. (2023). Strategies for developing digital competencies in teachers: Towards a multidimensional Synthesis of Qualitative Data (SQD) survey. *Computers & Education* 193, 104674.