

Adapted Student Attitude Survey by Wiley

Wiley, B. M. (2015). *The impact of the flipped classroom model of instruction on fifth grade mathematics students (Doctoral dissertation, University of Minnesota)*.

27 Items

Dimensions are not defined

- 1.I think mathematics is important in life.
- 2.In school, my math teachers listened carefully to what I had to say.
- 3.I learn more about mathematics working on my own.
- 4.I do not like to speak in public.
- 5.I prefer working along rather than in groups when doing mathematics.
- 6.I get anxious in school.
- 7.In school, I learn more from talking to my friends than from listening to my teacher.
- 8.Technology can make mathematics easier to understand.
- 9.Cell phones are an important technology in my life.
- 10.I like my own space outside school the majority of the time.
- 11.I enjoy being part of large groups outside school.
- 12.I do not participate in many group activities outside school.
- 13.I do not like school.
- 14.I like math.
- 15.I feel confident in my abilities to solve mathematics problems.
- 16.In the past, I have not enjoyed math class.
- 17.I receive good grades on math tests and quizzes.
- 18.When I see a math problem, I am nervous.
- 19.I am not eager to participate in discussions that involve
- 20.I enjoy working in groups better than alone in math class.
- 21.I like to go to the board or share my answers with peers in math
- 22.I enjoy hearing the thoughts and ideas of my peers in math class.
- 23.Mathematics interests me.
- 24.I sometimes feel nervous talking out-loud in front of my
- 25.I enjoy using a computer when learning mathematics.
- 26.When using technology for learning mathematics, I feel like I am in my own private world.
- 27.I am not comfortable using technology in math class.

5-point Likert Scale (0 Strongly Disagree 1 Disagree 2 Neutral/Undecided 3 Agree 4 Strongly Agree)

Cronbachs α : NA