

### Computer attitude questionnaire (CAQ)

Knezek, G., & Christensen, R. (1996). Validating the computer attitude questionnaire (CAQ). Paper presented at the *Annual Meeting of the Southwest Educational Research Association*. New Orleans, LA.

53 Items

8 Dimension

- (1) I enjoy doing things on a computer.
- (2)\* I am bred of using a computer.
- (3) I will be able to get a good job If I learn how to use a computer.
- (4) I concent ale on a computer when I use one.
- (5) I enjoy computer games very much.
- (6) I would work harder if I could use computers more often.
- (7)\* I think that it takes a long time to finish when I use a computer.
- (8) I know that computers give me opportunities to learn many new things.
- (9) I can learn many things when I use a computer.
- (10) I enjoy lessons on the computer.
- (11) I believe that the more often teachers use computers, the more I will enjoy school.
- (12) I believe that it is very important for me to learn how to use a computer.
- (15) I study by myself without anyone forcing me to study.
- (16) If I do not understand something, I will not stop thinking about it.
- (17) When I don't understand a problem, I keep working until I find the answer.
- (18) I review my lessons every day.
- (19) I try to finish whatever I begin.
- (20) Sometimes, I change my way of studying.
- (21) I enjoy working on a difficult problem.
- (22) I think about many ways to solve a difficult problem.
- (23) I never forget to do my homework.
- (24) I like to work out problems which I can use in my life every day.
- (25) If I do not understand my teacher, I ask him/her questions.
- (26) I feel sad when I see a child crying.
- (27) I sometimes cry when I see a sad play or movie.
- (28) I get angry when I see a friend who is treated badly.
- (29) I feel sad when I see old people alone.
- (30) I worry when I see a sad friend.
- (31) I I feel very happy when I listen to a song I like.
- (32) I do not like to see a child play alone, without a friend.
- (33) I feel sad when I soo an animal hurt.
- (35) I feel happy when I see a friend smiling.
- (36) I examine unusual things.
- (37) I find now things to play with or to study, without any help.
- (38) When I think of a new thing, I apply what I have learned before.
- (39) I tend to consider various ways of thinking.
- (40) I create many unique things.
- (41) I do things by myself without depending upon others.
- (42) I find different kinds of materials when the ones I have do not work or are not enough.
- (43) I examine unknown issues to try to understand them.

- (44) I make a plan before I start to solve a problem.
- (45) I invent games and play them with friends.
- (46) I invent new methods when one way does not work.
- (47) I choose my own way without imitating methods of others.
- (48) I tend to think about the future.
- (49) I feel comfortable working with a computer.
- (50)\* I get a sinking feeling when I think of trying to use a computer.
- (51)\* Working with a computer makes me nervous.
- (54)\* Computers are difficult to use.
- (57) I listen to my teacher carefully.
- (58) If I fail, I try to find out why.
- (59) I am glad to do work that helps others.
- (60) I study hard.
- (61) When I do a job, I do it well

\* Reserved Items

Scales:

Computer Importance: 3+6+8+9+11+11+12

Computer Enjoyment: 1+2+4+5+10+49+50+51+54

Computer Anxiety: 7+13+50+51+52+53+54+55

Computer Seclusion: 6+11+17+18+19+22+25+38+53+55+56+57+60

Motivation/Persistence: 15+16+17+19+21+22+23+60+61

Study Habits: 15+18+19+20+23+24+25+57+58+60

Empathy: 26+27+28+29+30+31+32+33+35+59

Creative Tendencies: 36+37+38+39+40+41+42+43+44+45+46+47+49

4-point Likert Scale (SD = Strongly Disagree; D = Disagree; A = Agree; SA = Strongly Agree)

Cronbachs  $\alpha$ :

COMPUTER IMPORTANCE = .82

COMPUTER ENJOYMENT = .82

COMPUTER ANXIETY = .84

COMPUTER SECLUSION = .81

MOTIVATION/PERSISTENCE = .80

EMPATHY = .87

STUDY HABITS = .82

CREATIVE TENDENCIES = .86

OVERALL = .94