

Science motivation questionnaire II

Glynn, S. M., Brickman, P., Armstrong, N., & Taasobshirazi, G. (2011). Science motivation questionnaire II: Validation with science majors and nonscience majors. *Journal of research in science teaching*, 48(10), 1159-1176.

25 Items

5 Dimension

In order to better understand what you think and how you feel about your college science courses, please respond to each of the following statements from the perspective of “When I am in a college science course...”

Intrinsic motivation

Learning science is interesting

I am curious about discoveries in science

The science I learn is relevant to my life

Learning science makes my life more meaningful

I enjoy learning science

Career motivation

Learning science will help me get a good job

Understanding science will benefit me in my career

Knowing science will give me a career advantage

I will use science problem-solving skills in my career

My career will involve science

Self-determination

I study hard to learn science

I prepare well for science tests and labs

I put enough effort into learning science

I spend a lot of time learning science

I use strategies to learn science well

Self-efficacy

I believe I can earn a grade of “A” in science
I am confident I will do well on science tests
I believe I can master science knowledge and skills
I am sure I can understand science
I am confident I will do well on science labs and projects

Grade motivation

Scoring high on science tests and labs matters to me
It is important that I get an “A” in science
I think about the grade I will get in science
Getting a good science grade is important to me
I like to do better than other students on science tests

5-point Likert Scale (Never; Rarely; Sometimes; Usually; Always)

Cronbach alpha:

career motivation: 0.92

intrinsic motivation: 0.89

self-determination: 0.88

self-efficacy: 0.83

grade motivation: 0.81