



Spring 2013

STUDENT QUESTIONNAIRE Grade 10

DIRECTIONS

Mark your answers to the following questions in the box labeled Student Questionnaire on the inside back cover of your Student Answer Booklet. If you do not see one best answer for a question, leave that question blank in your answer booklet and go to the next question. Please ask your teacher for help if you are not sure how to answer any of these questions.

1. How does using a computer compare with working by hand when you are completing school assignments such as reports or essays?
 - A. It is a lot easier to write on a computer than by hand.
 - B. It is somewhat easier to write on a computer than by hand.
 - C. It doesn't make any difference whether I write on a computer or by hand.
 - D. It is somewhat harder to write on a computer than by hand.
 - E. It is a lot harder to write on a computer than by hand.
2. What types of tests have you taken on a computer? *Choose all that apply.*
 - A. multiple choice
 - B. essay
 - C. combination of multiple-choice questions and written responses
 - D. I have never taken a test on a computer.
 - E. I don't know.
3. What are your plans after high school?
 - A. attend a four-year college
 - B. attend a two-year college
 - C. join the military
 - D. work full-time
 - E. other
 - F. I don't know.
4. If you are **not** planning to attend a two- or four-year college, which of the following best describes your plans for future job training? (If you are planning to attend a two- or four-year college, skip this question.)
 - A. attend college sometime in the future for vocational training or credentialing
 - B. attend a post-secondary vocational school for more advanced training
 - C. on-the-job training
 - D. I do not plan to seek future job training.
 - E. I don't know.

Student Questionnaire

5. If you plan to go to college, how likely is it you will study a science-related subject?

- A. very likely
- B. likely
- C. neither likely nor unlikely
- D. unlikely
- E. very unlikely

6. After high school or college, how likely is it you will pursue a job that is science-related?

- A. very likely
- B. likely
- C. neither likely nor unlikely
- D. unlikely
- E. very unlikely

7. In your school, how much information is available to help you understand what types of jobs and careers are available in science-related areas?

- A. a lot of information
- B. some information
- C. a little information
- D. no information
- E. I don't know.

8. How important is it for you to do well in science?

- A. very important
- B. important
- C. somewhat important
- D. not important
- E. very unimportant

9. Are you currently taking a science course?

- A. yes
- B. no

The next set of questions asks you for more detailed information about your science class activities. Your answers will be used only for research purposes. If you are not currently taking a science class, please base your answers on the most recent science class taken.

10. Approximately how much time do you spend on laboratory activities or investigations in science and/or technology/engineering class each week?

- A. less than 30 minutes each week
- B. about 30 minutes each week
- C. about 1 hour each week
- D. about 2 hours each week
- E. 3 or more hours each week
- F. I do not have laboratory activities or investigations in my class.

11. In your science classes, how often do you get to plan, design, and develop your own investigations or experiments to answer a research question?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

Student Questionnaire

12. How often do you use computer simulations and/or models to understand and investigate scientific phenomena (e.g., the force needed to move an object; the effect of the Sun's energy on a puddle of water; the impact of an enzyme on protein bonds)?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

13. How often do you collaborate and work with other students on science projects?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

14. How often do you use digital devices (such as motion sensors, light sensors, voltage sensors, or temperature probes) to collect and help interpret scientific data?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

15. How often do you use drawings or graphs to represent or explain your ideas and/or experimental results?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

16. How often do you engage in back-and-forth discussions with others in your class to construct the best explanation for your results?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

17. How often are you required to give a verbal presentation of your scientific findings?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

Student Questionnaire

18. How often do you use digital tools (such as a graphing/statistics calculator or graphing software) to analyze and interpret scientific data?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

19. How often does **your science teacher** use digital resources (such as websites, online videos, or online games) to help you learn?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

20. How often do **you** use digital resources (such as websites, online videos, or online games) to help you learn science **in school**?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never

21. How often do **you** use digital resources (such as websites, online videos, or online games) to help with your science schoolwork **outside of school**?

- A. several times a week
- B. about once a week
- C. about once a month
- D. less than once a month
- E. rarely or never