



# Science Teacher Questionnaire

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**2024**  
**Grade 8**

1. What is your gender?

- Ⓐ Female
- Ⓑ Male
- Ⓒ Another gender (Please specify): \_\_\_\_\_

2. Are you Hispanic or Latino? Select **all** squares that apply.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

3. Which of the following best describes you? Select **all** squares that apply.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

VH240195

4. Excluding student teaching, how many years have you worked as an elementary or secondary teacher, counting this year?

- A Less than 1 year
- B 1–2 years
- C 3–5 years
- D 6–10 years
- E 11–20 years
- F 21 or more years

VH240203

5. Excluding student teaching, how many years have you taught science in grades 6 through 12, counting this year?

- A Less than 1 year
- B 1–2 years
- C 3–5 years
- D 6–10 years
- E 11–20 years
- F 21 or more years

VH547397

6. Have you been awarded tenure by the school, district, or diocese where you currently teach?

- A Yes
- B No
- C My school, district, or diocese does not award tenure.

VH240197

7. Do you hold a regular or standard certificate that is valid in the state in which you are currently teaching?
- Ⓐ Yes, I hold a permanent certificate.
  - Ⓑ Yes, I hold a temporary certificate. (This type of certificate may require additional coursework, student teaching, etc.)
  - Ⓒ No, but I am currently working toward certification.
  - Ⓓ No, and I am not planning to obtain certification.

VH240198

8. Did you enter teaching through an alternative route to certification program?
- (An alternative route to certification program is a program that was designed to expedite the transition of non-teachers to a teaching career, for example, a state, district, or university alternative route to certification program.)
- Ⓐ Yes
  - Ⓑ No

VH240200

9. What is the highest academic degree you hold?
- Ⓐ High school diploma
  - Ⓑ Associate's degree/vocational certification
  - Ⓒ Bachelor's degree
  - Ⓓ Master's degree
  - Ⓔ Education specialist's or professional diploma based on at least one year's work past master's degree
  - Ⓕ Doctorate
  - Ⓖ Professional degree (e.g., M.D., LL.B., J.D., D.D.S.)

VH241753

10. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **undergraduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241768
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241769
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241770
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241771
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241772
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241780
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241767
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241781
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241782

VH240204

11. Since completing your undergraduate degree, have you taken any graduate courses?

- A Yes  
 B No

VH241785

12. Did you have a major, minor, or special emphasis in any of the following subjects as part of your **graduate** coursework? Select **one** circle in each row.

	Yes, a major	Yes, a minor or special emphasis	No	
a. Biology or other life science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241798
b. Physics, chemistry, or other physical science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241799
c. Earth or space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241800
d. Mathematics or mathematics education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241801
e. Science education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241802
f. Engineering or engineering education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241806
g. Elementary or secondary education	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241797
h. Special education (including students with disabilities)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241807
i. English language learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241808

VH294995

13. In this school year, did your school offer training for teachers on how to use computers or other digital devices?

- A Yes, to all teachers  
 B Yes, to some teachers  
 C No

VH295076

14. In this school year, have you participated in training on computers or other digital devices through your school?

- A No  
 B Once  
 C Twice  
 D Several times

VH241893

15. During the last **two years**, have you received training from any source in any of the following areas? Select **one** circle in each row.

	No, I am already proficient.	No, I have not.	Yes	
a. Basic computer training	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241894
b. Software applications	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241895
c. Use of the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241898
d. Use of other technology—for example, satellite access, wireless Web, interactive video, closed-circuit television, videoconferencing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241897
e. Integration of computers and other technology into classroom instruction	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	VH241896

VH860597

16. In this school year, which of the following types of computers or other digital devices are available in your school for student use? Select **all** squares that apply.

- A Desktop computers
- B Laptop computers (including Chromebooks)
- C Tablets (for example, Surface Pro, iPad, Kindle Fire)

VH592052

17. How well do the **desktop computers** in your school work?

- A All computers are functional and operate quickly.
- B All computers are functional, but some run more slowly than others.
- C All computers are functional, but all or almost all run slowly.
- D Some of the computers do not operate and cannot be used.
- E I don't know.

VH592059μ

18. How well do the **laptop computers** (including Chromebooks)μin your school work?

- Ⓐ All computers are functional and operate quickly.
- Ⓑ All computers are functional,μbut some run more slowly than others.
- Ⓒ All computers are functional,μbut all or almost all run slowly.
- Ⓓ Some of the computers do not operate and cannot be used.
- Ⓔ I don't know.

VH592063μ

19. How well do the **tablets** (for example,μSurface Pro,μiPad,μKindle Fire)μin your school work?

- Ⓐ All tablets are functional and operate quickly.
- Ⓑ All tablets are functional,μbut some run more slowly than others.
- Ⓒ All tablets are functional,μbut all or almost all run slowly.
- Ⓓ Some of the tablets do not operate and cannot be used.
- Ⓔ I don't know.

VH304679

20. How often do you do the following in this school? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Teach jointly as a team in the same class	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH304693
b. Observe other teachers' classes and provide feedback	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH304698
c. Engage in discussions about the learning development of specific students	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH304736
d. Work with other teachers in my school to ensure common standards in evaluations for assessing student progress	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH304740

VH262652

21. In your school, how severe is each problem? Select **one** circle in each row.

	Not a problem	Minor problem	Moderate problem	Serious problem	
a. The school building needs significant repair.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH262653
b. Classrooms are overcrowded.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH262654
c. Teachers have too many teaching hours.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH262655
d. Teachers do not have adequate workspace (e.g., for preparation, collaboration, or meeting with students).	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH262656
e. Teachers do not have adequate instructional materials and supplies.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH262657

VH305005

22. How much does each of the following statements apply to you as a teacher? Select **one** circle in each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I am satisfied with being a teacher at this school.	(A)	(B)	(C)	(D)	(E)	VH305016
b. My work inspires me.	(A)	(B)	(C)	(D)	(E)	VH305024
c. I am frustrated as a teacher at my school.	(A)	(B)	(C)	(D)	(E)	VH305032
d. I am supported by the teachers at my school.	(A)	(B)	(C)	(D)	(E)	VH305033

VH329966

23. Whether a student does well or poorly in school may depend on a lot of different things. You may feel that some of these things are easier for your students to change than others. In school, how possible is it for your students to change each of the following? Select **one** circle in each row.

	Not at all possible to change	A little possible to change	Somewhat possible to change	Quite possible to change	Completely possible to change	
a. Being intelligent	(A)	(B)	(C)	(D)	(E)	VH329967
b. Putting forth a lot of effort	(A)	(B)	(C)	(D)	(E)	VH329968
c. Behaving well in class	(A)	(B)	(C)	(D)	(E)	VH329970

VH240113

1. Which best describes your role in teaching science to this class? Select **one** circle.

- Ⓐ I do not teach science to this class.
- Ⓑ I teach all or most subjects, including science.
- Ⓒ The only subject I teach is science.
- Ⓓ We team teach, and I have primary responsibility for teaching science.

VH261160

2. How many students are in this class? Enter the number of students.

VH859314

3. In a typical week, how much time do you spend teaching science to the students in this class? Enter the hours and minutes and include in-class time only.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes per week

VH639433

4. In this class, about how much time do you spend on each of the following areas of science? Select **one** circle in each row.

	No time	Very little time	Some time	Quite a bit of time	A lot of time	
a. Life science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639434
b. Earth and space science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639436
c. Physical science	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639435
d. Engineering and technology	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639437

5. About how often do your science students do each of the following activities? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Work with other students on a science activity or project	(A)	(B)	(C)	(D)	(E)	VH639589
b. Write about science (e.g., papers, reports, or student science journals)	(A)	(B)	(C)	(D)	(E)	VH639600
c. Watch you do a science activity	(A)	(B)	(C)	(D)	(E)	VH639856
d. Talk about the measurements and results from their hands-on activities	(A)	(B)	(C)	(D)	(E)	VH639594
e. Discuss the kinds of problems that engineers can solve (e.g., how to build a bridge or how to collect energy from the Sun)	(A)	(B)	(C)	(D)	(E)	VH639597
f. Figure out different ways to solve a science problem	(A)	(B)	(C)	(D)	(E)	VH639846
g. Present what they have learned about science	(A)	(B)	(C)	(D)	(E)	VH639593

6. Thinking about your science class this year, how much emphasis did you place on teaching your students each of the following skills? Select **one** circle in each row.

	No emphasis	Very little emphasis	Some emphasis	Quite a bit of emphasis	A lot of emphasis	
a. Developing good research questions	(A)	(B)	(C)	(D)	(E)	VH640901
b. Using drawings or models to explain events or phenomena	(A)	(B)	(C)	(D)	(E)	VH640902
c. Coming up with experiments or other tests to answer a scientific question	(A)	(B)	(C)	(D)	(E)	VH640903
d. Organizing data into a chart, graph, or spreadsheet to test a solution	(A)	(B)	(C)	(D)	(E)	VH640906
e. Deciding when to use quantitative versus qualitative data	(A)	(B)	(C)	(D)	(E)	VH640907
f. Generating explanations based on observations and measurements	(A)	(B)	(C)	(D)	(E)	VH640908
g. Evaluating the quality of data	(A)	(B)	(C)	(D)	(E)	VH640909
h. Teaching science ideas to others (e.g., students or teachers)	(A)	(B)	(C)	(D)	(E)	VH640911

7. To what extent are the following resources available to you in your school system (including your school and school district)? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Science textbooks (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639521
b. Science magazines and books (print or online)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639522
c. Supplies or equipment for science labs or demonstrations	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639523
d. Space to conduct science labs	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639525
e. Computers for teachers' use	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639528
f. Science kits	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639531
g. Scientific measurement instruments (e.g., microscopes, thermometers, beakers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH639526

VH641306

8. To what extent do you use each of the following technological resources for science instruction? Select **one** circle in each row.

	Not at all	Small extent	Moderate extent	Large extent	
a. Desktop or laptop computer(s) (including Chromebooks)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641307
b. Tablet(s) (e.g., Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641308
c. Online content (e.g., online software, podcasts, or videos)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641309
d. Interactive web spaces or virtual classrooms (e.g., websites where students can interact and share class materials)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH641310
e. Interactive panel (e.g., SMART Board, Promethean ActivPanel)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH859326

VH241281

9. In your eighth-grade class, how often do your students use a computer or other digital device to do each of the following activities? Select **one** circle in each row.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. Conduct a search for science information	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241282
b. Simulate a physical or biological process or see how something works (e.g., how planets orbit the Sun or how gas expands)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241284
c. Make a chart or graph that shows results of a science project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH241283

10. In this school year, how often do you meet with students one-on-one to give feedback on their work and evaluate their progress in science?

- A Never or hardly ever
- B A few times a year
- C Once or twice a month
- D Once or twice a week
- E Every day or almost every day

11. In this school year, how often do you do each of the following activities with individual students to evaluate their progress in science? Select **one** circle in each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Discuss each student's current level of performance with them	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639634
b. Set goals for specific progress the student would like to make	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639635
c. Discuss progress the student has made toward goals previously set	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639636
d. Determine how to adjust your teaching strategies to meet the student's current learning needs	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639637

VH641262

12. Suppose your students did very well on their last science test. How likely do you think each of the following explanations is in this situation? Select **one** circle in each row.

	Not at all likely	Not likely	Somewhat likely	Quite likely	Extremely likely	
a. My students did well because they studied and were prepared.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641273
b. My students did well because they put in a lot of effort.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641276
c. My students did well because they always do well on tests.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641277
d. My students did well because I taught the concepts well.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641279
e. My students did well because they guessed well on the test.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641281
f. My students did well because they are just good in science.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH641284

VH641332

13. In this school year, did your school offer any of the following supplemental activities? Select **one** circle in each row.

	Yes	No	
a. Opportunities for students to work together to solve problems in their community or the world	<input type="radio"/> A	<input type="radio"/> B	VH641334
b. Opportunities for students to engage in group science activities	<input type="radio"/> A	<input type="radio"/> B	VH641338
c. Opportunities for students to use scientific instruments (e.g., thermometers, microscopes, or telescopes)	<input type="radio"/> A	<input type="radio"/> B	VH641339
d. Opportunities for students to participate in science outreach programs (e.g., partnerships with colleges, museums, or foundations)	<input type="radio"/> A	<input type="radio"/> B	VH641341