

PTaP.HE Expert Response Key

The PTA.P.HE measures perceptions of grade 7-12 teaching among university faculty members. Expert responses are those that align with the views of a faculty member who is informed about and supportive of the teaching profession. This faculty member's department and university would also be supportive of future teachers. Note that some questions (e.g. 12) are multiple choice rather than agree/disagree.

A = Experts agree or strongly agree

D = Experts disagree or strongly disagree

N = There is no expert consensus response

1	A
2	A
3	A
4	D
5	A
6	A
7	A
8	A
9	A
10	A
11	D
12	E
13	D
14	D
15	D
16	A
17	A
18	A
19	D
20	A
21	D
22	A
23	A
24	A
25	D
26	A
27	D
28	D
29	A
30	A
31	A
32	D
33	A

34	A
35	Varies by location
36	Varies by department
37	Varies by location
38	A
39	A
40	D
41	A
42	A

Categories – Robustness Rating

Answers are in bold. DA – Disagree, A - Agree

Facts about Teaching – 5.7

12. What percentage of STEM students do you think expressed some level of interest when answering the following statement: *“How interested are you in being a middle or high school teacher?”*
less than 5%; 5-10%; 10-20%; 20-40%; **40-60%**; 60-80%; more than 80%
25. Teaching pays a lot less than most other careers a student can get with the same degree. **DA**
26. Grade 7-12 math or science teachers get paid, on average, better than a math or science faculty member. **A**
30. What fraction of all grade 7-12 teachers remain in the profession at year 5? Choose one:
28%; 41%; 59%; **79%**; or 90%.
31. Grade 7-12 teachers have competitive benefits compared to other careers. **A**
32. On average, grade 7-12 teachers can retire before age 60 and not have to work after retirement.
A
36. Grade 7-12 teachers typically have strong relationships with their colleagues. **A**
40. The vast majority of teachers feel respected by parents. **A**

Salary – 8.9

33. What do you think the starting pay would be for a grade 7-12 math or science teacher in a district where students from your department are most likely to be employed? Choose one: **varies by region**
\$30k or less; about \$40k; **about \$50k**; about \$60k; or \$70k or more.
34. What do you think the starting pay is for the average graduate with a bachelor's from your department in their first permanent job? Choose one:
\$30k or less; about \$40k; **about \$50k**; about \$60k; or \$70k or more.
35. What do you think the mid-career salary is for a grade 7-12 math or science teacher in your local district? Choose one: **Varies by region**
\$50k or less; about \$60k; about \$70k; **about \$80k**; or \$90k or more.

Teaching is a Good Career 5.3

7. I think grade 7-12 math or science teaching would be an enjoyable career day-to-day. **A**
25. Teaching pays a lot less than most other careers a student can get with the same degree. **DA**
29. Grade 7-12 math and science teaching is more stressful on average than other careers. **DA**
30. What fraction of all grade 7-12 teachers remain in the profession at year 5? Choose one: 28%;
41%; 59%; **79%**; or 90%.
39. Classroom management is one of the biggest challenges that grade 7-12 teachers face. **DA**
40. The vast majority of teachers feel respected by parents. **A**

Teacher Satisfaction - 4.7

- 7. I think grade 7-12 math or science teaching would be an enjoyable career day-to-day. **A**
- 30. What fraction of all grade 7-12 teachers remain in the profession at year 5? Choose one:
28%; 41%; 59%; **79%**; or 90%.
- 36. Grade 7-12 teachers typically have strong relationships with their colleagues. **A**
- 38. Grade 7-12 teachers have control over what and how they teach. **A**
- 40. The vast majority of teachers feel respected by parents. **A**

Respects the Profession – 6.3

- 3. I regularly discuss grade 7-12 math or science teaching as a career option with students. **A**
- 7. I think grade 7-12 math or science teaching would be an enjoyable career day-to-day. **A**
- 14. Those who go into grade 7-12 math or science teaching tend to be academically weaker students. **DA**
- 23. All grade 7-12 science teachers are scientists. **A**
- 27. I would be just as proud to tell people that I am a grade 7-12 math or science teacher as I am to tell them that I am a faculty member at my current institution. **A**
- 28. I would be willing to be a grade 7-12 math or science teacher for a semester. **A**

Advising & Support – 5.7

- 3. I regularly discuss grade 7-12 math or science teaching as a career option with students. **A**
- 5. I have at least one colleague in my department who thinks grade 7-12 math and science teaching is a valuable profession. **A**
- 6. I have the name and contact information of someone at my institution who can tell students how to get certified as a grade 7-12 math or science teacher. **A**
- 9. Other faculty in my department discuss grade 7-12 math or science teaching as a career option with students. **A**
- 10. Students are encouraged to consider grade 7-12 math or science teaching by other faculty in my department. **A**
- 12. What percentage of STEM students do you think expressed some level of interest when answering the following statement: *“How interested are you in being a middle or high school teacher?”*
less than 5%; 5-10%; 10-20%; 20-40%; **40-60%**; 60-80%; more than 80%
- 20. I consider grade 7-12 math or science teaching a STEM career. **A**

Teaching Advocate 5.1

- 2. I regularly discuss general career options with students. **A**
- 3. I regularly discuss grade 7-12 math or science teaching as a career option with students. **A**
- 8. I think grade 7-12 math or science teaching would be a fulfilling career for a STEM major. **A**
- 11. I discourage our majors from pursuing grade 7-12 math or science teaching. **DA**
- 24. Students in my department who become grade 7-12 math or science teachers are giving up their identity as a scientist or engineer. **DA**
- 27. I would be just as proud to tell people that I am a grade 7-12 math or science teacher as I am to tell them that I am a faculty member at my current institution. **A**

Teaching is a STEM Profession – 5.7

14. Those who go into grade 7-12 math or science teaching tend to be academically weaker students. **DA**
19. I would be happier if my strongest students, even those who have expressed an interest in grade 7-12 math or science teaching, became college professors rather than becoming grade 7-12 teachers. **DA**
20. I consider grade 7-12 math or science teaching a STEM career. **A**
24. Students in my department who become grade 7-12 math or science teachers are giving up their identity as a scientist or engineer. **DA**
27. I would be just as proud to tell people that I am a grade 7-12 math or science teacher as I am to tell them that I am a faculty member at my current institution. **A**

Faculty Support – 4.8

8. I think grade 7-12 math or science teaching would be a fulfilling career for a STEM major. **A**
11. I discourage our majors from pursuing grade 7-12 math or science teaching. **DA**
15. Earning a teaching license takes too much time. **DA**
22. It is beneficial for students to try another career before becoming a grade 7-12 math or science teacher. **DA**

Career Options – 9.6

8. I think grade 7-12 math or science teaching would be a fulfilling career for a STEM major. **A**
17. I would feel comfortable if one of my strongest students went into industry. **A**
18. I would feel comfortable if one of my strongest students became a grade 7-12 math or science teacher. **A**