

PTaP.HE: Proposed category order

Faculty perceptions of teachers and their careers

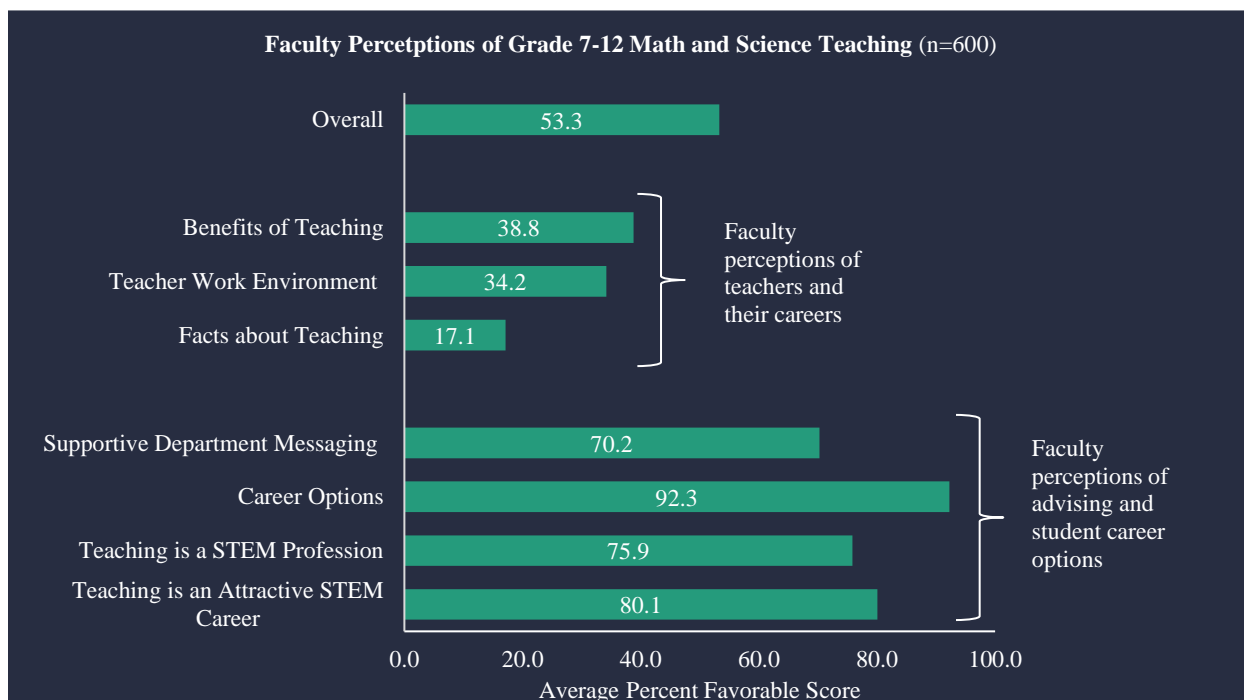
- **Benefits of Teaching – 7.68** (pays less, competitive benefits, retire <60, parent respect, rate their lives)
- **Facts about Teaching – 6.01** (pays less, more stressful, retention, classroom management)
- **Teacher Work Environment – 6.12** (Colleague relationships, control, classroom management, parent respect, rate their lives)

Faculty perceptions of department messaging and student career options

- **Supportive Department Messaging – 9.42** (1 colleague things valuable, name and contact info, faculty discuss the career, students encouraged)
- **Teaching is an Attractive STEM Career – 7.46** (enjoyable day-to-day, fulfilling, discourage majors, comfortable with strongest becoming a teacher, STEM career)
- **Teaching is a STEM Profession – 6.91** (fulfilling, academically weaker, STEM career, give up identity as a scientist)
- **Career Options – 8.81** (Comfortable with strongest students went to: graduate school, industry, teaching)

Other (not currently shown on the PTA radar plot, and don't plan to show in the PTA.HE plot either, because it's not in the two main divisions we are targeting with GFO.)

- **All Students Can Learn – 13.27** (Nearly every can understand math and science, students don't have natural ability, all students can learn with dedication)



Interpreting the graph

- The top three categories are *Faculty perceptions of teachers and their careers*
- The lower four categories are *Faculty perceptions of advising and student career options*

Categories – Robustness Rating

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

Benefits of Teaching – 7.68

28	Teaching pays a lot less than most other careers a student can get with the same degree. DA
34	Grade 7-12 teachers have competitive benefits compared to other careers. A
35	On average, grade 7-12 teachers can retire before age 60 and not have to work after retirement. A
42	The vast majority of teachers feel respected by parents. A
43	Grade 7-12 teachers in the U.S. rate their lives higher than nearly all other occupation groups. A

Facts About Teaching (was Teaching is not an awful career) – 6.01

28	Teaching pays a lot less than most other careers a student can get with the same degree. DA
32	Grade 7-12 math and science teaching is more stressful on average than other careers. DA
33	What fraction of all grade 7-12 teachers remain in the profession at year 5? Choose one: 79%
41	Classroom management is one of the biggest challenges that grade 7-12 teachers face. DA

Teacher Work Environment – 6.12

39	Grade 7-12 teachers typically have strong relationships with their colleagues. A
40	Grade 7-12 teachers have control over what and how they teach. A
41	Classroom management is one of the biggest challenges that grade 7-12 teachers face. DA
42	The vast majority of teachers feel respected by parents. A
43	Grade 7-12 teachers in the U.S. rate their lives higher than nearly all other occupation groups. A

Supportive Department Messaging – 9.42

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

Teaching is an attractive STEM Career - 7.46

7	I think grade 7-12 math or science teaching would be an enjoyable career day-to-day. 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
18	I would feel comfortable if one of my strongest students became a grade 7-12 math or science teacher. A
23	I consider grade 7-12 math or science teaching a STEM career. A

Teaching is a STEM Profession – 6.91

8	I think grade 7-12 math or science teaching would be a fulfilling career for a STEM major. A
14	Those who go into grade 7-12 math or science teaching tend to be academically weaker students. DA
23	I consider grade 7-12 math or science teaching a STEM career. A
27	Students in my department who become grade 7-12 math or science teachers are giving up their identity as a scientist or engineer. DA

Career Options – 8.81

16	I would feel comfortable if one of my strongest students went to graduate school. 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

All Students Can Learn – 13.27

20	Nearly everyone is capable of understanding math and science if they work at it. A
21	Many students just don't have the natural ability to succeed in my subject area. DA
22	Almost all students can learn any subject with dedication. A