PTaP Category Organization

The Get the Facts Out project plots seven of the eleven empirical categories of the PTaP on a radar plot to help departments see how their students perceive support for teaching in their department compared to how students perceive teaching careers.

Support for Teaching

III. Others Support Me Teaching (department proud, advisor encourage, I proud, peers supportive, family supportive, professors supportive)

V. My Department Supports Me Teaching (department proud, advisor encourage, peers supportive, professors supportive)

IV. My Department Values and Encourages (1 professor thinks valuable, know who to talk to, department proud, professors discuss teaching, professors encourage)

Teaching Careers

I. Personal Enjoyment (good career for me, fulfilling for me, day-to-day, bored, want to teach, pursue cert at IHE, teens)

II. As a Career Choice (not make most of degree, give up scientist, try another career, weaker students, good career in general, I proud, intellectually stimulating, bored)

VI. Employee benefits and Stability (competitive benefits, retire comfortably, stable career)

VII. Teaching is Scientific (give up scientist, teaching is scientific, weaker students, good career in general, intellectually stimulating)
Categories

Eleven empirical categories (contain 42 of 56 statements)

I. Personal Enjoyment
15. Grade 7-12 teaching is a good career choice: For me.
17. Grade 7-12 teaching would be fulfilling: For me.
28. I think I would enjoy Grade 7-12 teaching day to day.
29. I think I would become bored with Grade 7-12 teaching.
33. I want to become a Grade 7-12 teacher.
36. I plan to pursue teacher certification at my institution.
45. I enjoy working with teens.

II. As a Career Choice
7. If I became a Grade 7-12 teacher, I would not be making the most of my degree.
8. If I were to become a Grade 7-12 teacher, I would give up being a scientist.
10. I owe it to myself to try a career in my degree field before I try to teach.
13. Those who go into Grade 7-12 teaching tend to be academically weaker students.
14. Grade 7-12 teaching is a good career choice: In general.
16. Grade 7-12 teaching would be fulfilling: In general.
18. I would be proud to tell people that I am a Grade 7-12 teacher.
27. Grade 7-12 teaching would be intellectually stimulating.
29. I think I would become bored with Grade 7-12 teaching.

III. Others Support Me Teaching
3. My department would be proud if I became a Grade 7-12 teacher.
6. If I told my advisor I wanted to be a Grade 7-12 teacher, s/he would encourage me.
18. I would be proud to tell people that I am a Grade 7-12 teacher.
30. If I went into Grade 7-12 teaching, my peers would be supportive.
31. If I went into Grade 7-12 teaching, my family would be supportive.
32. If I went into Grade 7-12 teaching, my professors would be supportive.

IV. My Department Values and Encourages
1. I know at least one professor in my department who thinks Grade 7-12 teaching is a valuable profession.
2. I know who to talk to at my college if I wanted to become a Grade 7-12 teacher.
3. My department would be proud if I became a Grade 7-12 teacher.
4. Professors in my department discuss teaching as a career option with students.
5. Professors in my department encourage students to consider Grade 7-12 teaching.

V. My Department Supports Me Teaching
3. My department would be proud if I became a Grade 7-12 teacher.
6. If I told my advisor I wanted to be a Grade 7-12 teacher, s/he would encourage me.
30. If I went into Grade 7-12 teaching, my peers would be supportive.
32. If I went into Grade 7-12 teaching, my professors would be supportive.

VI. Employee benefits and Stability
24. Grade 7-12 teachers have competitive benefits compared to other careers.
25. Grade 7-12 teachers can retire comfortably and not have to work after retirement.
50. Grade 7-12 teaching is a stable career choice.

VII. Teaching is Scientific
8. If I were to become a Grade 7-12 teacher, I would give up being a scientist.
9. Teaching is "scientific" in that you test materials with your students, learn from the results, modify and try again the next year.
13. Those who go into Grade 7-12 teaching tend to be academically weaker students.
14. Grade 7-12 teaching is a good career choice: In general.
27. Grade 7-12 teaching would be intellectually stimulating.

VIII. Nurturer
17. Grade 7-12 teaching would be fulfilling: For me.
36. I plan to pursue teacher certification at my institution.
44. I enjoy working with people.
45. I enjoy working with teens.
48. I could become a great Grade 7-12 teacher.

IX. Back Up Plan
12. Grade 7-12 teaching is a good back up plan for me.
34. I want to become a college teacher.
37. I plan to pursue teacher certification through another route.
49. I might become a Grade 7-12 teacher after pursuing another career first.

X. All Students Can Learn
53. Nearly everyone is capable of understanding math and science if they work at it.
54. Many students just don't have the natural ability to succeed in my subject area.
55. Almost all students can learn any subject with dedication.

XI. I would if ...
38. I would become a Grade 7-12 teacher if the pay were equal to my other career options.
39. I would become a Grade 7-12 teacher if the hours were better.
40. I would pursue teacher certification if I did not have to take extra time to graduate.
41. I would pursue teacher certification if I did not have to spend extra money

Overall
• Includes 55 statements 1 -42, 44-46, 48-57

**All categories**
• Includes 41 statements: 1-8, 10, 12-18, 24-34, 36-41, 44-45, 48-50, 53-55

**Scoring Rules**

**Categories I – IX, Overall and All Categories scoring:** Comparison to the expert (same technique as the CLASS).
• When scoring these categories each answer for each respondent is compared to the expert.
• Percent favorable is calculated based on the percent of the responses where the respondent agrees with the expert.
• Percent unfavorable is calculated based on the percent of the statements where the respondent disagrees with the expert.
• Note, the sum of favorable and unfavorable do not need to equal 100% since a neutral response neither is an agreement nor a disagreement with the expert.
• Once category favorable and unfavorable scores have been calculated for each respondent, the favorable for all are averaged and the unfavorable for all are averaged.

**Category X scoring:** Considered favorable only if the respondent shows a consistent growth mindset.
• Favorable and unfavorable scores for each respondent calculated the same as for categories I – IX.
• Once favorable and unfavorable scores have been calculated for each respondent, the overall favorable score for the sample is the fraction of respondents who have 100% favorable. No unfavorable score is reported.

**Category XI scoring:** Tally of the number of students who would if any of the statements are answered in the affirmative (agree or strongly agree).
• Favorable and unfavorable scores for each respondent calculated the same as for categories I – IX.
• Once favorable and unfavorable scores have been calculated for each respondent, the overall favorable score for the sample is the tally (number) of respondents who have greater than 0% favorable. No unfavorable score is reported.

**Reported Statements:** Tallies (number answering in the affirmative – agree or strongly agree) reported for each of these three statements
  33. I want to become a grade 7-12 teacher.
  36. I plan to pursue teacher certification at my institution.
  37. I plan to pursue teacher certification through another route.
**Binning the above scores:** It’s valuable for a department to be able to parse the students who want to become a teacher from those who do not.

- Report above scores for those who answer #33 in the affirmative separately from those who answer it in the negative (ignore the neutrals).

**Exclusion Criteria:**

- Statement 47: To be included in analysis must choose option 4 (agree). If not, delete the entire respondent.

- Minimum number of statements answered to be included in the score for each category
  - Overall 45
  - All categories 36
  - I. Personal Enjoyment 5
  - II. As a Career Choice 7
  - III. Support by Others 4
  - IV. Department Support 3
  - V. My Department... 3
  - VI. Employee Benefits 3
  - VII. Teaching is Scientific 4
  - VIII. Nurturer 4
  - IX. Back up Plan 3
  - X. All Students can Learn 3
  - XI. I would if... 1

**Skip Logic:**

- If 36. Or 37. are answered in the affirmative (agree or strongly agree), skip to 43.