

## 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)

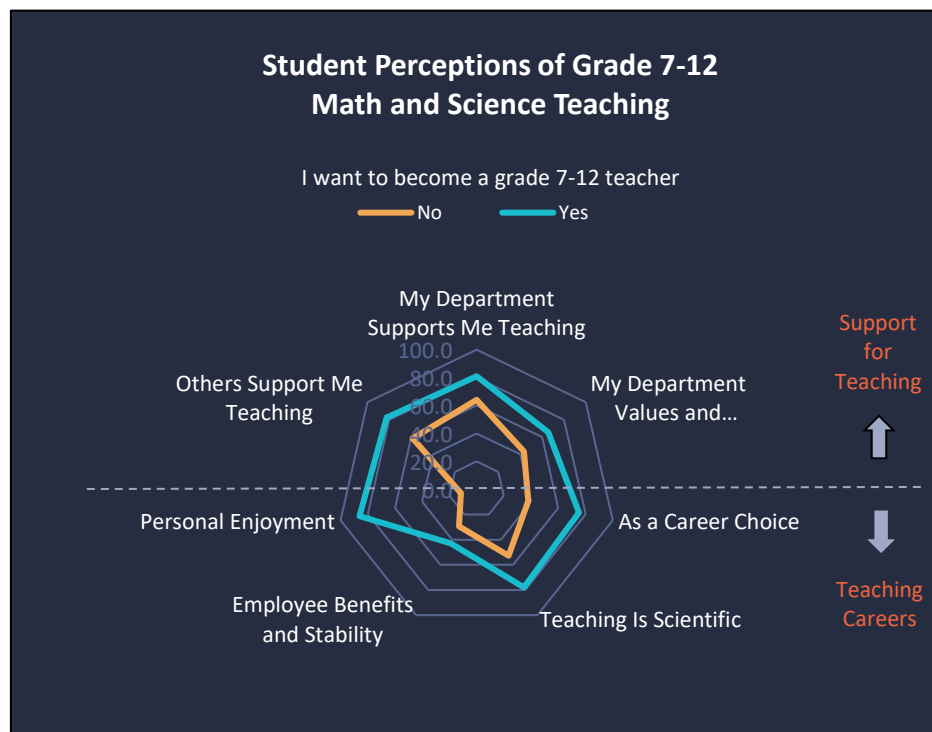
### Teaching Careers

**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.
- 26. 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.