PROFESSIONAL ROLES AND RESPONSIBILITIES: CHALLENGES FOR INDUCTION TEACHERS

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Abstract

The purpose of this study was to identify challenges faced by induction-year teachers in Texas. The target population for the study was induction teachers in Texas during the 2005-2006 school year (N = 98). A census was conducted and 73 teachers responded resulting in a 77% response rate. Data were collected using an electronic questionnaire administered over the Internet. The questionnaire contained three parts. Part one sought to determine teachers' perceived level of importance of 44 teaching competencies representing five effective teaching competency categories. Part two of the instrument sought to determine the teachers' perceived level of preparation on the same competencies and categories. The final section of the instrument sought to describe demographic characteristics of participants. Mean weighted discrepancy scores were calculated to determine the teaching competencies that are most challenging. Correlations were conducted to determine the relationships between the summated weighted discrepancy score and selected personal characteristics.

Introduction and Theoretical Framework

Education has been frequently described as a profession that "eats its young" (Halford, 1998, p. 33). The cannibalistic reputation has been earned by the alarming rate at which the profession loses teachers in the early career stages. As many as 15% of new teachers leave the profession during the first or second year (Darling-Hammond, 1997). As many as half of all teachers reportedly leave by the end of their sixth year (Marso & Pigge, 1997). The complexity of this issue has been compounded by legislative reform challenging school districts to provide "highly qualified" teachers. Even more alarming is the trend that those with the most potential for success are among the most likely to leave the profession (Rosenholtz, 1989).

As researchers have studied the phenomena surrounding the early careers of teachers, a shift has occurred in both language and thought (Lawson, 1992). Early career teachers have been frequently referred to as beginning teachers, a term that

referenced merely a point in a career. More common today is the term induction-year teacher, indicating the early years are a process of transformation from program graduate to member of a profession. With the growing recognition of the impact of teacher induction, our approach has moved from a sink or swim mentality (Darling-Hammond & Sclan, 1996) to providing formal induction programs aimed at reducing the attrition rate of new teachers as well as improving the teaching capabilities (Weiss & Weiss, 1999). Glaringly evident in this transition is the importance of the induction experiences of teachers.

As a result of the growing importance placed on the early career experiences of teachers, a variety of research has been focused toward problems related to teacher retention (Walker, Garton, & Kitchel, 2004; Kelsey, 2006), teacher preparation (Dormody & Torres, 2002; Graham & Garton, 2003), induction programs (Burris, Kitchel, Greiman, & Torres, 2006; Greiman, Birkenholz, & Stewart, 2003; Joerger & Boetcher, 2000; Peiter, Terry, & Cartmell, 2003), and problems and challenges (Mundt

& Connors, 1999; Myers, Dyer, & Washburn, 2005; Roberts & Dyer, 2004).

The common thread of all of these studies is that they have explored the activities, competencies, situations, and opportunities that make secondary agricultural education uniquely challenging. Talbert, Camp, and Heath-Camp (1994) found that agriculture teachers were faced with requirements that were unique to the nature of agricultural education programs and not experienced by teachers in other subject areas. Walker et al. (2004) concluded that the numerous responsibilities associated with the profession contributed to the decision to leave the profession

Myers et al. (2005) suggested the first steps to improve teacher retention were to understand problems faced by beginning teachers. Early work by Fuller (1969) proposed a developmental framework for evaluating teacher concerns. Fuller suggested that teacher concerns were related to three distinct areas: self, task and impact. According to Fuller's model, as teachers develop, the types of concerns they experience change. Their initial concerns relate to self and deal with issues of confidence and efficacy. As teachers gain confidence, their concerns become more focused on the tasks they are expected to accomplish. Finally, teacher concerns move to questions of impact and are more focused on the growth and success of the student. Hillison (1977) supported Fuller in finding that first-year teachers began the year initially focused on concerns of self but ended the year focused on concerns related to tasks.

Agriculture teachers require a unique set of competencies. Researches have grouped those competencies into a variety of categories. Shippy (1981) identified 10 competency categories representing 246 teaching competencies. The categories of competencies were program planning, development, and evaluation; planning of instruction; execution of instruction; evaluation of instruction; student vocational organizations; supervised occupational experience; management; guidance; school-community relations; and professional role and development.

Subsequent studies used variations of these groupings either expanding or collapsing the categories. Roberts and Dyer (2004) developed a model of characteristics related to effective teacher behavior. Results of their Delphi process yielded 40 characteristics that an effective agriculture teacher should possess. Those characteristics were categorized into eight groups: instruction, FFA, SAE, community relations, marketing, professionalism/ professional growth, program planning/ management, and personal qualities. For this study, those categories were compressed to represent five competency groupings: program planning/management, instruction, FFA/SAE, community relations/marketing, and professional growth/responsibilities.

While problems and challenges are not necessarily synonymous with in-service needs, they do seem to be related. Mundt and Connors (1999) stated that problems of first-year teachers could be translated to in-service needs. Borich (1980) indicated a discrepancy model for needs assessment served multiple purposes, including summative evaluation for determining the level at which competencies were obtained. Those competencies that lack appropriate development surface through the needs assessment model as task related concerns (Fuller, 1969).

The literature has provided a rich and consistent insight into competencies of priority for induction teachers, most notably through needs assessments. Researchers in agricultural education have long sought to identify the in-service needs of beginning teachers (Duncan, Ricketts, Peake, & Uessler, 2006; Edwards & Briers, 1999; Garton & Chung, 1996; Hillison, 1977; Layfield & Dobbins, 2002; Shippy, 1981).

The value of these needs assessments may extend beyond programming in-service education and serve to identify those challenges associated with induction teaching. However, competencies assessed are often adjusted to fit the needs of the state model studied. The result is a lack of consistency in the competencies assessed. Garton and Chung (1996) assessed beginning teacher needs in Missouri by comparing importance and competence on 50 teacher-related competencies. Findings

from the study identified competencies in instruction, program planning, and program administration as areas of high need for in-service development.

Edwards and Briers (1999) compiled 163 teaching-related competencies to assess the needs of beginning teachers in Texas. They reported mixed findings on teacher competencies by the type of assessment used. The authors further recommended the use of mean weighted discrepancy rankings for identifying priority competencies.

In a needs assessment of South Carolina teachers, Layfield and Dobbins (2002) evaluated 50 teaching competencies. Their findings supported the work of Garton and Chung (1996), identifying six common competencies as high need. Common competencies between the studies were use of advisory committees, developing SAE opportunities, preparing degree applications, and supervising SAE programs.

Even more recently, Duncan et al. (2006) used the needs assessment design to assess preparation needs of teachers in Georgia. They analyzed 63 competencies that were focused around three thematic areas: technical agriculture, teaching and learning, and program management. Again, common competencies were identified, such as motivating students to learn, managing student behavior, and preparing award applications. The study additionally revealed priority areas not previously identified, most notably advising students about post-secondary education in agriculture.

Purpose and Objectives

The purpose of this study was to identify challenges faced by induction-year teachers in Texas. The following research objectives were generated to focus and guide the direction of the study.

1. Describe personal characteristics (age, gender, level of education, program type, future plans for teaching) of induction-year teachers.
2. Describe the perceived level of importance, the perceived level of

preparation, and the mean weighted discrepancy score for teaching related competencies.
3. Describe the perceived level of importance, the perceived level of preparation, and the mean weighted discrepancy score for teaching competency areas (program planning/management, instruction, FFA/SAE, community relations/marketing, and professional growth/responsibilities).
4. Determine the relationships between personal characteristics (gender, level of education, program type) and teaching competency areas (summated weighted discrepancy scores).

Methods and Procedures

This study employed a descriptive survey design. The target population for this descriptive survey study was induction-year (first-year) teachers in Texas. A frame was developed utilizing membership information from the state professional organization for agriculture teachers. The frame was analyzed for omissions and duplications. A total of 98 subjects were identified. A census was conducted, and 73 participants completed the survey instrument for a response rate of 77%. Findings from this study represent the accepting sample ($N = 73$) and caution should be used in interpreting the findings beyond those who participated.

Data were collected using an electronically-delivered questionnaire during the second week of June 2006, after all aspects of the school year had been completed. Subjects were contacted up to six times using a modification of Dillman's (2002) Tailored Design method. A pre-notice was sent to inform subjects of the forthcoming questionnaire and to verify e-mail addresses. Following the pre-notice, subjects were sent an Internet link directing them to an online questionnaire. As many as four follow-up reminders were sent to those who had not responded at approximately seven-day intervals. A final contact was made by phone, when possible, to encourage participation in the study.

A thorough review of literature related to needs assessments of beginning teachers led to the development of the survey instrument. Teaching competencies were identified from previous studies (Edwards & Briers, 1999; Garton & Chung, 1996; Hillison, 1977, Mundt & Connors, 1999; Myers et al., 2005; Roberts & Dyer, 2004; Shippy, 1981). Competencies were included based on relevance to induction teachers in Texas. The competencies were grouped into the eight categories of effective agriculture teachers (Roberts & Dyer). Those categories consisted of instruction, FFA, SAE, community relations, marketing, professionalism/personal growth, program planning/management and personal characteristics. Several groups were collapsed because of the small number of competencies identified in that area. Forty-four competencies were identified in five modified effective teacher competency categories: program planning/management, instruction, FFA/SAE, community relations/marketing, and professional growth/responsibilities.

The questionnaire contained three parts. Part one consisted of 44 competencies related to five professional roles. For each individual competency, participants were asked to rate their perception of the importance of that competency on a Likert-type scale ranging from 1 = not important to 5 = very important. Part two of the instrument contained an identical listing of those 44 competencies. For each individual competency, participants were asked to rate their perceived level of preparation for that competency on a Likert-type scale ranging from 1 = not prepared to 5 = very prepared. The final section of the questionnaire contained items that sought to identify personal characteristics of the participants.

The instrument was reviewed for content and face validity by a panel of experts (*n* = 7) consisting of teacher educators in agricultural education and practicing secondary agriculture teachers. The instrument was pilot tested with second-year agriculture teachers (*n* = 22). Reliability analysis of pilot data yielded Cronbach's alphas ranging from .89 to .96. Descriptive statistics were used to analyze demographic characteristics. Data were described using measures of central tendency and variability.

To accomplish Objective 2, data were analyzed using mean weighted discrepancy scores (MWDS). The MWDS were calculated for each competency using a three-step process. First, discrepancy scores were determined by subtracting level of preparation from level of importance. Second, discrepancy scores were weighted by multiplying the discrepancy score by the mean level of importance for the item. Finally, weighted discrepancy scores were averaged yielding a MWDS. Items were ranked according to the MWDS.

The analysis for Objective 3 was accomplished by calculating grand means for level of importance, level of preparation, and MWDS for each of the teaching competency areas. Objective 4 data were analyzed by calculating a summated grand mean discrepancy score for each of the competency areas, as well as an overall MWDS, and correlating that score with gender, level of education, and program type. Point-biserial correlation coefficients were used to describe the relationships associated with gender and biserial correlation coefficients described the relationships associated with level of education and program type. Data were analyzed in SPSS version 14.0.

Findings

The first objective sought to describe personal characteristics of induction-year teachers. Summary statistics were calculated for each of these attributes (Table 1). The average age of participants was 26 (*SD* = 4.47) and ranged from 22 to 46. There were slightly more males (*n* = 39, 53%) than females (*n* = 34, 47%). Most (*n* = 59, 81%) reported their highest degree earned as a bachelor's degree, while 14 (19%) had earned a master's degree. Thirty-seven percent (*n* = 27) reported teaching in a single-teacher department. The remaining 63 percent indicated they taught in a two-teacher (*n* = 31, 43%), three-teacher (*n* = 11, 15%), four-teacher (*n* = 3, 4%) or five-teacher (*n* = 1, 1%) department. A substantial majority (*n* = 69, 94%) indicated they planned to continue teaching the next

year. Two teachers (3%) indicated they did not plan to teach, and two additional teachers (3%) indicated they were undecided at the time data were collected.

Table 1
Personal Characteristics of Participants (n = 73)

Characteristic	*f*	*%*	*M*	*SD*	Range
Gender					
Male	39	53			
Female	34	47			
Highest degree earned					
Bachelor's	59	81			
Master's	14	19			
Program type					
Single teacher	27	37			
Multiple teacher	46	63			
Plan to continue teaching					
Yes	69	94			
No	2	3			
Undecided	2	3			
Age			26	4.47	22-46

Objective 2 sought to describe the perceived level of importance, the perceived level of preparation, and the MWDS for teaching-related competencies. Table 2 displays a summary of the mean level of importance, mean level of preparation, and MWDS. Individual competencies have been listed by rank order according to the MWDS.

Of the 44 competencies, eight of the competencies were rated as very important, 34 competencies were rated as important, and two competencies were rated as somewhat important. The top five competencies ranked by perceived level of importance were "employ a variety of teaching methods" (4.75) followed by "maintain condition/environment of class and lab" (4.71), "advise the FFA chapter" "(4.70), "work cooperatively with parents" (4.67), and "assess student learning" (4.64). The five competencies with lowest mean level of importance were "organize and maintain an advisory committee" (3.05), "serve on campus committees" (3.18),

"conduct community presentations" (3.44), "analyze course evaluation data" (3.51), and "conduct needs assessment" (3.68).

Teachers rated their level of preparation for 29 of the competencies as prepared. Additionally, the level of preparation was rated as somewhat prepared for 14 items, and the level of preparation for one item was rated as slightly prepared. Ranked by perceived level of preparation (Table 2), the top five competencies were "develop lesson plans" (4.12), followed by "prepare instructional areas" (4.10), "teach and enforce student behavior expectations" (4.04), "maintain occupational certifications" (3.97), and "manage tools, supplies, materials, and equipment" (3.93). Items ranking the lowest on mean perceived level of preparation were "organize and maintain an advisory committee" (2.38), "develop a budget" (2.78), "assist with award and degree applications" (2.82), "conduct a needs assessment" (2.93), and "analyze course evaluation data" (3.03).

Table 2
Importance, Preparation, and MWDS of Teaching Competencies (n = 73)

Rank	Teaching Competency	Importance[a]	Preparation[b]	MWDS
1	Develop a budget	4.01	2.78	4.95
2	Work cooperatively with parents	4.67	3.64	4.80
3	Recruit students for program	4.63	3.64	4.57
4	Employ a variety of teaching methods	4.75	3.79	4.56
5	Supervise fundraising activities	4.49	3.51	4.43
6	Communicate program information to parents	4.23	3.26	4.12
7	Advise the FFA chapter	4.70	3.84	4.06
8	Work cooperatively with administrators	4.60	3.74	3.97
9	Maintain condition/environment of class and lab	4.71	3.86	3.68
10	Maintain public relations program	4.41	3.60	3.57
11	Assess student learning	4.64	3.88	3.56
12	Assist students in award and degree applications	3.77	2.82	3.56
13	Prepare students for CDE's	4.47	3.68	3.49
14	Teach record keeping skills	3.88	3.03	3.29
15	Integrate SAE/work-based learning into curriculum	4.10	3.29	3.26
16	Organize FFA leadership activities	4.37	3.69	3.17
17	Provide SAE/work-based learning opportunities	4.00	3.27	2.90
18	Conduct a needs assessment	3.68	2.93	2.78
19	Solicit business and industry support	4.00	3.33	2.68
20	Manage tools, supplies, materials, and equipment	4.52	3.93	2.66
21	Establish classroom procedures	4.34	3.74	2.62
22	Work cooperatively with other faculty and staff	4.42	3.88	2.42
23	Develop a program of activities	3.92	3.30	2.42
24	Organize and maintain an advisory committee	3.05	2.38	2.05
25	Conduct SAE visits	4.27	3.81	1.99
26	Address special learning needs	4.12	3.67	1.86
27	Teach and enforce student behavior	4.50	4.04	1.79
28	develop a course outline	4.25	3.84	1.75
29	Analyze course evaluation data	3.51	3.03	1.68

Rank	Teaching Competency	Importance[a]	Preparation[b]	MWDS
30	Develop performance objectives	4.11	3.71	1.63
31	Participate in professional meetings	4.18	3.85	1.60
32	Integrate academic and technical course elements	3.88	3.49	1.49
33	Participate in school open houses	4.10	3.74	1.46
34	Maintain occupational certifications	4.30	3.97	1.41
35	Select reference materials	3.93	3.58	1.40
36	Prepare instructional areas	4.40	4.10	1.33
37	Participate in staff meetings	3.95	3.69	1.19
38	Join professional organizations	4.21	3.93	1.15
39	Continue formal professional education	4.16	3.90	1.08
40	Perform campus duties	3.76	3.45	0.98
41	Conduct community presentations	3.44	3.38	0.19
42	Create a course syllabus	3.92	3.92	0.00
43	Serve on campus committees	3.18	3.26	-0.26
44	Develop lesson plans	3.95	4.12	-0.70

[a] Scale: 5=Very Important, 4= Important, 3=Somewhat Important, 2=Of little Importance, 1=Not Important.
[b] Scale: 5=Very Prepared, 4=Prepared, 3=Somewhat Prepared, 2=Slightly Prepared, 1=Not Prepared.

MWDS combined perceived levels of importance with levels of preparation to identify the competencies that have the highest weighted difference when averaged among the sample. Items with higher MWDS are those with the greatest need for development. Seven items had a MWDS of 4.0 or greater, indicating these competencies were the most challenging for induction teachers (Table 2). "Develop a budget" ranked highest (4.95) followed by "work cooperatively with parents" (4.80), "recruit students for program" (4.57), and "employ a variety of teaching methods" (4.56). Other items ranking above 4.0 were "supervise fundraising activities" (4.43), "communicate program information to parents" (4.23), and "advise the FFA chapter" (4.06).

The third objective sought to identify the grand MWDS for competency categories. Grand means were calculated for level of importance, level of preparation, and MWDS of each of the five competency categories (Table 3). The instruction category had the highest grand mean for level of importance as well as level of preparation. Similarly, professional growth/responsibilities had the lowest grand mean for both level of importance and level of preparation. Competency categories, ranked by grand MWDS, were FFA/SAE (3.26), community relations/marketing (3.14), program planning/management (2.89), instruction (1.79), and professional growth/ responsibilities (1.23).

Table 3
Grand Means of Importance, Preparation, and MWDS for Competency Categories (n = 73)

Rank	Teaching Competency	Importance	Preparation	MWDS
1	FFA/SAE	4.20	3.42	3.26
2	Community relations/marketing	4.06	3.32	3.14
3	Program planning/management	4.17	3.48	2.89
4	Instruction	4.24	3.83	1.79
5	Professional growth/responsibilities	4.03	3.74	1.23

The fourth objective was to determine the relationships between personal characteristics (gender, level of education, program type) and teaching competency areas (summated weighted discrepancy scores). To accomplish this objective, the MWDS for each of the five competency areas, as well as an overall MWDS, was correlated with the personal characteristics of gender, level of education, and program type (Table 4). Point-biserial coefficients were used to describe the relationships associated with gender and biserial coefficients described the relationships associated with level of education and program type. Davis (1971) descriptors were used to describe the magnitude of the relationships. Gender had low, positive correlations with classroom instruction ($r_{pb} = .12$), FFA/SAE ($r_{pb} = .21$), and the total weighted discrepancy score ($r_{pb} = .16$). Level of education had low, negative correlations with program planning ($r_{bis} = -.12$), FFA/SAE ($r_{bis} = -.16$), community relations ($r_{bis} = -.12$), professional growth ($r_{bis} = -.15$), and the total weighted discrepancy score ($r_{bis} = -.16$). Program type had a low, negative correlation with professional growth ($r_{bis} = -.14$).

Table 4
Relationship between Personal Characteristics and Summated Weighted Discrepancy Scores

Personal Characteristic	Program Planning	Classroom Instruction	FFA /SAE	Community Relations	Professional Growth	Overall MWDS
Gender[a] (r_{pb})	.09	.12	.21	.09	.05	.16
Level of Education[b] (r_{bis})	-.12	-.05	-.16	-.12	-.15	-.16
Program Type[c] (r_{bis})	-.02	.06	.01	-.07	-.14	-.03

[a] male = 1, female = 2; [b] B.S. Degree = 1, B.S. Degree + Graduate work = 2; [c] Single teacher = 1, multiple teacher = 2.

Conclusions/Implications/ Recommendations

The purpose of this study was to identify challenges faced by induction-year teachers in Texas. Identifying these challenges will enable teacher educators to provide assistance during the induction process. The demographic characteristics are important considerations as strategies are developed to assist teachers. The typical induction-year teacher in the study was 26 years old, had earned a bachelor's degree, taught in a multiple teacher department, and planned to continue teaching. Participants were likely to be male or female. Relatively few teachers had earned their master's degree, placing the load of preparation on the undergraduate curriculum. Recently, post-secondary institutions in Texas have been challenged to lower the number of credits required to graduate. As programs reduce credit requirements, the adequate preparation of teachers becomes even more challenging.

The frequency of multiple teacher departments also has implications. Teachers in multiple-teacher programs have access to resources single teachers do not. Distributing responsibilities between fellow teachers may ease some of the concerns with induction. Conversely, teachers in single teacher programs need to be adequately prepared to face all facets of program responsibilities.

The gender distribution among new teachers participating in this study is reassuring. Kelsey (2006) indicated women face challenges entering the agriculture teaching profession. Findings from this study suggest women in Texas are securing teaching jobs at a near equal rate to men.

The accepting sample in this study overwhelmingly indicated they would continue teaching. The sample represented approximately 77% of induction-year teachers. This suggests while induction-teachers do face challenges in the first year, they are not discouraged from teaching as a result of those challenges. However, some caution should be administered here. This study makes no attempt to generalize beyond the responding sample and only represents teachers that chose to participate.

It is likely that teachers who planned not to continue teaching also chose not to participate in the study. Research is needed to investigate teachers who chose to leave the teaching profession.

Information provided by teachers in the study resulted in higher MWDS for seven items. Highest among those was "develop a budget," followed by "work cooperatively with parents," and "recruit students for program." These concerns are not necessarily consistent with priorities in previous studies (Edward & Briers, 1999; Garton & Chung, 1996) yet may reflect the current climate of education. Teachers struggle to justify their financial allocations and struggle with budget expenditures, enrollment, and fundraising. Also evident is the need for positive marketing/public relations and communication with parents.

Lowest competencies according to MWDS were "develop lesson plans," "serve on campus committees," and "create a course syllabus." It is important to note that develop lesson plans was ranked last and had a negative MWDS. One interpretation is that our teacher preparation programs are doing an adequate job of preparing teachers in this area.

Analysis of the areas of teacher competencies revealed the area with largest grand MWDS as FFA/SAE, followed by community relations/marketing. Undoubtedly, the nature of secondary agriculture programs, including FFA and SAE activities, provide challenges unique to agriculture teachers. Although single competencies related to FFA/SAE may not reach the top, together they have a cumulative effect. While these topics may be part of the teacher education curriculum, the sequencing of topics may need revision to provide information at a more meaningful time in the program. In addition, teachers need help with priority areas during their induction years of teaching. Help can come through induction programs, through mentoring arrangements, through in-service development, or through resources provided to teachers. The content of programs or resources should be designed to meet those concerns identified as priorities by induction teachers.

In contrast, professional development/ responsibilities ranked last. That ranking was a function of two measures. First, as a group, those competencies received the lowest mean rating for importance. Second, the level of preparation was only lower than that of instruction, leading to the low MWDS. These rankings may reflect the prioritization of induction teachers. As these teachers become more experienced, the importance of professional development/responsibilities may rise.

Ranking slightly ahead of professional development/responsibilities was the group related to instruction. Teacher preparation programs focus a great amount of effort on competencies related to instruction. In this study, teachers identified instruction as the highest level of importance and followed with the highest level of preparation. This implies that our teacher preparation programs are meeting expectations for teaching.

Correlational analysis yielded low or negligible relationships between personal characteristics and teaching competency areas. Negative correlations were found between level of education and the discrepancy scores for each of the teaching competency areas. As the level of education increased, the discrepancy between importance and preparation decreased. These findings suggest that additional coursework helps prepare teachers to fulfill responsibilities encountered in the various roles associated with teaching agriculture. Teachers should be encouraged to continue their education beyond the undergraduate level. As universities experience pressure to lower graduation credit requirements, graduate courses may play a more prominent role in teacher development.

Some concerns arise from the findings of this study. It was alarming that teachers indicated comparatively low levels of importance for such competencies as organizing and managing advisory committees and integrating academic and technical content. A possible explanation might be that teachers are simply unaware of the importance at this stage in their career. A stronger need for proficiency in these competencies may arise as their career progresses.

In 1981, Shippy recommended the periodical evaluation of competency needs. As such, additional research should be conducted to determine the appropriate competencies required of induction teachers. Additional sources should be included to determine competency needs. These additional sources could include evaluations from regional and state staff, local administrators, or outside evaluators. Inexperienced teachers are not necessarily in a position to recognize areas of greatest concern. Further investigation is needed to explore differences that may exist in priority areas between genders, program type, geographic location, and other characteristics.

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