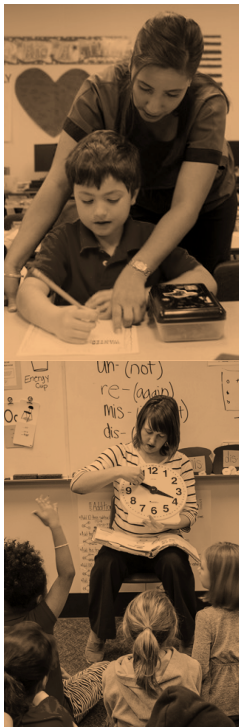


Support for the Standards for Field Experiences

Introduction

Although it is clear that field experiences have a profound effect on teacher development, it is not clear that the impact always is positive.



Field experiences have been considered the most important and powerful component of teacher education programs (McIntyre, Byrd, & Foxx, 1996; Darling-Hammond & Bransford, 2005). Most teacher education programs have incorporated more field experiences into their programs and have increased the number and variety of sites in which students are placed (Black & Ammon, 1991; Garibaldi, 1992). School context, especially the school based supervisor, has a significant impact on teacher development; McIntyre, Byrd, and Foxx (1996) assert that "the placement of the prospective teacher for both early field experiences is a critical stage in teacher preparation" (p. 173). Graham (2006) also emphasizes that the two components critical to the success of the intern experience are the cooperating teachers who guide and support students and the sites where the experiences occur.

John Dewey (1904) spoke of "miseducative" practices and believed that practice should be accompanied by reflection on the effects of practice. Many teacher education programs have the goal of preparing reflective teachers and espouse field experiences, which give opportunities for analysis of and reflection on teaching (Zeichner, 1982). However, Monk (2015) stated that in order for the field of teacher preparation to flourish, there is a need for knowledge about not only what constitutes effective teaching, but also what constitutes best practice for preparing people to become effective teachers.

Although it is clear that field experiences have a profound effect on teacher development, it is not clear that the impact always is positive. McIntyre, Byrd, and Foxx (1996) concluded that

Despite the overwhelming positive feeling about the efficacy of field experiences, there does not exist enough data to determine that extending field experiences, whether at the early field experience or student teaching stage, will develop more effective, thoughtful teachers than those prepared in shorter field experience programs. Although there remains a great need for additional research in this area it appears that what occurs during the field experience is more important than the length of the experience (p. 176).

This notion is supported by Goldstein and Lake (2003) who state

that during their field experiences, preservice teachers' images of themselves as teachers and their understandings of the contours of the job of teaching are constantly in a state of flux.

A nation-wide study of teacher education programs revealed that often little connection is made between courses and field experiences and that faculty and school based personnel often do not connect field experiences to particular goals (Goodlad, Soder, & Sirotnik, 1990). McIntyre, Byrd, and Foxx (1996) report that there is a trend towards more thematic programs, but research does not support that field experience activities are well connected to the themes, particularly to themes of reflection and inquiry (Howey, 1986; Howey & Zimpher, 1989; Zeichner & Liston, 1987; Zeichner & Tabachnik, 1982). Some evidence indicates that the school context of field experiences is not always a positive influence on student teacher development (Guyton & McIntyre, 1990). Adequate attention is not always paid to the impact of the choices made in selecting student teaching placements (Zeichner, 1986), although there is a trend toward more careful selection and more intense involvement of school based personnel.

McIntyre, Byrd, and Foxx (1996) report from their extensive review of the literature on field experiences that (a) increased practice without reflection and analysis does not lead to professional growth; (b) the context of field placements is very influential on professional development; and (C) evaluation of field experiences should reflect the complex world of teaching. Finally, Zeichner (2010) concludes that although many programs include field experiences throughout the curriculum, the time that teaching candidates spend in schools is often not carefully planned like campus based courses so that little or no clinical curriculum exists.

The importance of field experiences is not disputed among educators. How field experiences are conducted, though, varies greatly from teacher education program to teacher education program. Some variability is desirable in order for programs to be able to respond to their unique circumstances, but some of the differences reflect variations in the quality of programs. Roth (1996) identifies setting standards as one way to deal with quality preparation of teachers, to ensure a minimum level of program quality. The purpose of standards is to create significant change. The Council for the Accreditation of Educator Preparation has developed and implemented rigorous standards for teacher education programs (CAEP, 2013.) These standards address field experiences in Standard 2, Clinical Partnerships and Practice: 2.3 Clinical Experiences.

Context/Culture of Field Experiences

A national study by Goodlad (1990) found that many teacher education programs had

no influence over the placement of their student teachers and that convenience rather than a quality experience tied to teacher education goals was the major criterion for placement. Other studies suggest that haphazard placements can undermine program goals. For example, Winitsky, Stoddart, and O'Keefe (1992) found that when student teachers used a constructivist approach to teaching, as taught in the teacher education program, cooperating teachers intervened and made students conform to more didactic methods used by the teachers.

Contexts include the classroom, school, and community and offer the prospective teacher an opportunity to reflect on the roles and responsibilities of teachers, the structure of the school, and the relationship of the school to the community, particularly as it applies to the teaching and learning process (Maxie, 2010). Savage, Cannon, & Sutters (2015) claim that multiple factors must be considered when planning placements for art teacher candidates in their teacher preparation program, including faculty input, personal interviews, and individual candidate needs. However, as the placement period draws near, fewer teachers are available to serve since the economy affects the number of available qualified teachers. They have had to adapt how they place teacher candidates, cajole overworked teachers into serving as co-ops, create digital reporting systems that simplify required paperwork, and rethink what our teacher candidates can reasonably expect to gain from their practicum placement.

Monk (2015) asserts that we must be clear about what constitutes a rich clinical experience. He states that most students he sees who are preparing to become teachers tend to be very bright, very idealistic, and sometimes naïve about the institution they plan to enter. Typically, their personal K-12 schooling experiences have been good and they can identify an inspirational teacher or two they admire and wish to emulate. If we equate 'rich clinical experience' with spending time with similarly excellent and inspirational teachers, we risk compounding the naïveté that is already present. Moreover, one of the things we know about excellent teachers is that they make what they do look easy. To an inexperienced student teacher this can be misleading and potentially mis-educative, particularly one who is already naïve. He believes that insights can be gained from teachers who are struggling and that while it may seem counterintuitive, a portion of 'rich clinical experience' might include time with a less than excellent teacher.

The context of field experiences has been posited to have a strong influence on teacher socialization (Guyton & McIntyre, 1990; Zeichner, 1990). Hoy and Feldman (1987) averred that school context had two constructs: (a) affective context that is the ambience of the school created by such things as teacher morale and (b) objective context that is the socio-economic status of the school. Zeichner (1982) found that the following factors influenced the development of teachers' perspectives: teacher-pupil ratio, material resources, authority relations, school values and ideals, and collegial influence. Kagan (1992) reviewed current research on the role of context in teacher socialization. She reported four contextual factors affecting growth and success: the teaching assignment (the nature of the content and pupils to be taught); colleagues' willingness to provide support; parental relationships; and degree of autonomy and leadership afforded teachers. Guyton and Wesche (1996) studied the contexts

of field experiences and found that (a) placing preservice teachers in schools with good morale, pleasant surroundings, a compatible and welcoming cooperating teacher who is a good role model may be just as important as pupils' backgrounds in determining success in full time field experiences, and (b) students whose attitudes are consistent with teacher education program experience enhanced teaching performance.

Coffey (2010) argues that research in teacher education suggests that field experiences in community settings offer pre-service teachers a context for understanding the link between theory and practice. She documents the experiences of pre-service educators participating in a service-learning experience at a Children's Defense Fund Freedom School in the southeastern United States. The pre-service teachers engaged in critical reflection, online journals, and daily debriefing sessions. Afterwards, they praised the benefits of a service experience in an urban context and explained how interactions within the program gave them the insight into the teaching profession. Coffey argues that this particular context successfully bridged the gap between teacher education theory and practice.

Recently, Zeichner (2010) argues for the creation of a *third space* in teacher education programs that brings together school and university-based teacher educators and practitioner and academic knowledge in new ways to enhance the learning of prospective teachers. In opposition to the traditional disconnect of campus and schools and to the assumption of academic knowledge as the authoritative source of knowledge for learning about teaching in traditional college and university models of teacher education third spaces bring practitioner and academic knowledge together in less hierarchical ways to create new learning opportunities for prospective teachers. He makes the point that it is crucial for teacher education programs to work with schools and communities in closer and more respectful ways across teachers' careers if we are to remain a source for future teachers.

Diversity

A generally accepted and understood goal for teacher education is the development of teachers capable of working with diverse student populations. Sleeter (2001) states that one of the major challenges in preparing pre-service teachers for the 21st-century classroom, as well as for an increasingly competitive job market, is providing the necessary skills and background to effectively educate diverse populations of students

The primary method for achieving the goal is placing students in field experiences in schools with diverse populations. Diversity sometimes is defined broadly, but its most typical application is in

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terms of racial/ethnic/economic differences. America's school children are becoming more ethnically and culturally diverse. This is particularly evident in the largest urban school systems across the country, where ethnic students are a majority of the school-age population. This increase in diversity is accompanied by rising numbers of poor children, especially in inner city schools. These student demographic trends are in stark contrast to the demographic profile of the American teaching force. Over 86 percent of America teachers are European Americans, mostly from the middle class, suburban communities surrounding the city. The sociocultural gap between teachers and students often has a negative effect on student learning and achievement. Since it is not likely that these demographic trends will be reversed in the foreseeable future, it is imperative that teacher education institutions begin to address them in their programs. In urban settings, teachers deal with the complexities of teaching children beset by poverty, deal with teaching children whose social class and/or ethnicity often is not that of the teacher; deal with bureaucratic inflexibility and social isolation. The numbers of teachers of color are diminishing while the numbers of students of color are rising (AACTE, 1987; Fuller, 1992; Graham, 1987; King, 1993; Tewell & Tribowitz 1987). Reasons for the shortage are related to finances, attitudes toward teaching, prestige, other career opportunities, competency tests, and integration (Tewel & Tribowitz, 1987; Graham, 1987; King, 1993), and solutions focus on recruitment (AACTE, 1987; Bainer, 1990; Henninger, 1989). Increasingly, though, it has become accepted that the majority white teaching force needs opportunities to learn how to teach diverse students.

Research reveals that field experiences are an important component of a teacher preparation program for achieving the goal of culturally responsive teaching (Lee, Eckrich, Lackey, & Showalter, 2010). However, in order to lead pre-service teachers toward this goal, it is important that teacher educators facilitate meaningful dialogue that examines pre-service teachers' existing dispositions and beliefs, as well as opportunities to for them apply knowledge to practice (He & Cooper, 2009).

Eisenhardt, Besnoy and Steele (2011-12) reported on a field experience program whereby pre-service teachers acquired a perspective of their students that transcended their preconceived notions. The pre-service teachers developed both knowledge of these diverse learners and very positive interpersonal relationships. The impact of the dissonance between their prior beliefs and experiences broadened their understanding of the range of students' needs and how these influence learning.

McIntyre, Byrd, and Foxx (1996) summarize the findings from research on the impact of teacher education programs on preservice teachers.

From these findings, three conclusions can be drawn. First, preservice teachers do not enter teacher education programs with the skills, knowledge, and attitudes necessary to work successfully with a diverse population of students. Second, although students can be educated to have greater awareness and understanding of issues regarding multicultural education, they do not necessarily practice what they have learned. Third, preservice students need to be placed in schools where they have the opportunity to work with a diverse student body. Furthermore, they need to be encouraged and supported in their analysis of decisions they and others make as teachers and the effects those decisions have on students (p. 183).

Weiner (1993) emphasized the importance of role models in learning to teach in urban schools. Cochran-Smith (1991) insisted that urban teachers need to learn to "teach against the grain."

...teaching against the grain is deeply embedded in the culture and history of teaching at individual schools and in the biographies of particular teachers and their individual or collaborative efforts to alter curricula, raise questions about common practices, and resist inappropriate decisions. These relationships can only be explored in the company of experienced teachers who are themselves engaged in complex, situation-specific, and sometimes losing struggles to work against the grain (p. 280).

More general arguments also are posited for multiple field experiences. One argument is that increasing the number and variety of placements can dilute any negative influence of any one context (Garibaldi, 1992). Zimpher (1990) claimed that a single field experience placement limits the student's ability to become reflective and restricts learning about school communities. Others, though, have argued that reflection is facilitated by more long term placements (Schon, 1987)

Collaborative Review and Reform

Definitions of collaboration suggest that joint work between two kinds of organizations can produce cooperation, but collaboration requires each to stretch to meet the other (Darling-

Hammond, 1994). Kanter (1984) asserts that collaboration is essential for innovation--"...to produce innovation, more complexity is essential; more relationships, more sources of information, more angles on the problem, more ways to pull in human and material resources, more freedom to walk around and across the organization (p. 148)."

Garland and Shippy (1995) found that traditionally, teacher education faculty have worked with teachers and administrators in public schools to provide a variety of clinical experiences for preservice students. Graham (2006) stated that in many countries teacher preparation has increasingly become a more collaborative effort between the university and schools. These arrangements have been cooperative rather than collaborative, because in most instances they were programs initiated and directed by personnel from the college or university. Collaborative arrangements, however, are substantially different. They are viewed as (a) being true partnerships between colleges or universities and public schools; (b) involving shared decision-making, and in doing so, creating new roles, relationships, and responsibilities for all participants; and (C) focusing on outcomes that are intended to benefit the personnel and the programs at both institutions. The success of collaborative efforts rests on a variety of factors. Bennett, Ishler, and O'Loughlin (1992) suggested that the following conditions can facilitate effective collaboration.

The key players in the field experience are the teacher candidate, the school-based teacher educator, and the campus-based teacher educator. This threesome is often referred to as the triad. A number of studies conducted in the United States, Great Britain, and Australia have indicated that the primary roles and functions of each member of the field experiences triad are typically implicitly rather than explicitly stated and are likely to be unclear (Beswick, Harmon, Elsworth, Fallon, & Woock, 1980; Guyton & McIntyre, 1990; Boothroyd, 1979; Cope, 1973; Tittle, 1974; Yates, 1981; Yee, 1967). Each member may, therefore, develop role conceptualizations and expectations that do not align with the expectations of other members of the triad.

Research has also shown this lack of clarity may give rise to a number of interpersonal problems or tensions within the triad, including the emergence of competitive versus cooperative attitudes, the inclination to become increasingly more negative toward one another, and the tendency to blame each other when problems arise (Tittle, 1974; Yee, 1967). Lack of clearly agreed upon and delineated goals, roles, and responsibilities not only hampers teacher education programs in general but also more specifically hinders the effectiveness of the triad as a supportive alliance to advance the growth and development of the teacher candidate (McIntyre, Byrd, and Foxx, 1996, p. 179).

In addition, Hancock and Gallard's (2004) study indicated that university teacher educators and K-12 teachers who host preservice teachers must be mindful of the

tensions likely to result from participation in field experiences. Those tensions noted involve complex notions of teaching and learning that are based upon previous experiences as K-12 students, content of university methods courses, and current field experiences in K-12 schools. Additional factors almost certainly include subtle influences, such as cultural norms for teacher practice, established social interaction patterns, and tacitly held role conceptions. As preservice teachers gain experience and grow, it is important to consider the things that happen during and between field experiences. Their case study participants described viewing few examples of student-centered, experiential learning, providing them with little opportunity to explore that element of their own beliefs.

The findings of Hoffman, Werzel, Maloch, Greeter, Taylor, DeJulio, and Vlach's (2014) literature review of 46 studies indicated a need for a stronger theoretical framing of the work of cooperating teachers in supporting teacher development a need for teacher education as a whole to be more proactive and responsible in the preparation of cooperating teachers.

True collaboration takes time. Collaborative ventures never proceed as smoothly and quickly as those undertaken by one or two individuals do. It takes time to build trust and working relationships, particularly when forming partnerships among institutions with different missions and cultures. There are inevitable differences, disagreements and conflicts that must be resolved within this complex relationship. Both the public school and higher education institutions may look upon the partnership as an addition to an already heavy work-load; consequently collaboration should ultimately be a part of the job rather than an addition to it (Sandholtz, 1996). Participants in the field experiences triad must take steps to collaboratively ensure that role expectations are made explicit and are clearly articulated among all three members of the triad. True collaboration also requires that the public schools share with higher education institutions the responsibility for the field-based portions of teacher education and incorporate the role of teacher education into the school structure.

Reflection and Analysis

Much research shows that interventions must affect teacher cognitions (i.e., teachers' thinking about their own acts of teaching) in order to affect teacher performance. Research also shows strong links between teachers' cognitions and student outcomes (higher order skills). Teacher education assumes that the more time observing practicing teachers, the better, but the value of observation (guided or unguided) in early field experiences is unknown (Arrastia, Rawls, Binkerhoff, & Roehrig, 2014). As a result, teacher education needs to move preservice teachers to higher conceptual levels, more complex thinking about teaching and influence teachers to make connections between their lives in classrooms and what is being learned.

There also is a growing acceptance of the belief that teaching performance is a function of complex intellectual processes. Sprinthall, Reiman and Thies-Sprinthall (1996) summarized findings from a research program/study of teacher education (Griffin, 1986). "Effective teacher education programs are based on a conception of teacher growth and development; acknowledge the complexities of classroom, school, and community; are grounded in a substantial and verifiable knowledge base; and are sensitive to the ways teachers think, feel, and make meanings from their experiences" (p. 687). The authors then advocate a model for cognitive-developmental instruction that includes: role taking, taking on a more complex role; reflection (journals, demonstrations, case studies for dialogue on the meaning of experience); balance of role taking and reflection that forms an interactive praxis; continuity; and a balance between support and challenge (p. 692). They advocate working on the development of programs that promote more efficient cognitive problem solving by teachers and on developing authentic assessments to judge the effectiveness of the interventions (p. 673).

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Teachers' thought processes have been a subject for study for some time (Clark & Peterson, 1986). Many studies have shown some connection between teacher cognition and student outcomes. Miller (1981) found that people functioning at higher conceptual levels exhibited behaviors such as reduction in prejudice, greater empathic communication, a greater focus on internal control, more thoughtful decision making, more flexible teaching methods, more autonomy and interdependence, and superior communication and information processing. McKibbin and Joyce (1981) found a direct relationship between level of cognitive development and employment of innovative teaching methods learned in workshops. Sprinthall, Reiman, and Thies-Sprinthall (1996), in a review of the literature, found strong support for the relationship between cognitive developmental level and more competent, effective, and efficient teachers (p. 677). Fennema, Franke, Carpenter and Carey (1993) conducted a case study which showed a strong link between teacher conceptual complexity and student higher-order thinking and problem solving. Peterson, Fennema, Carpenter and Loef (1989) found that teachers at higher levels of cognitive complexity employed increased higher order teaching skills such as problem posing, active listening, ongoing assessment, and continuous adaptation. Knapp and Peterson (1991) found teachers at higher cognitive levels were more likely to use new and innovative teaching techniques. Kennedy (1991) also reported a connection between teachers' level of cognitive processing and student outcomes. Costa and Garmston (1994) summarized a number of studies which found a relationship between cognitive complexity of teachers and student achievement (Glickman, 1985; Harvey, 1967; Hunt, 1980; McNerney & Carrier, 1981; Sprinthall & Thies-Sprinthall, 1983; Witherail & Erickson, 1978). All of these studies

support the need for an emphasis on developing teachers' cognitive development.

The literature also indicates that cognitive development is not automatic. King and Kitchener (1994) found that adults exhibit stage and sequence growth in reflective judgment with the highest stage being similar to Dewey's conception of scientific problem solving. Finally, Philipp, Ambrose, Lamb, Sowder, Thanheiser and Chauvot (2007) found that student teachers who were poised to emerge from student teaching as reflective practitioners were those most reflective about their own beliefs as compared to the beliefs of others.

This growth does not happen as a result of age or experience; it requires a stimulating and supportive environment along with appropriate interaction. A study (NCRTE, 1991) also found that experience is not necessarily an indicator of growth. There were no significant differences between novice and experienced teachers in elementary schools in attitudes, conceptual skills, and classroom practice. These studies strongly suggest that intervention is needed to promote teachers' cognitive growth. As Dewey (1938) posited, experience at times can be miseducative. There must be ways of drawing meaning from experience. Much theoretical support exists for developing the reflective ability of teachers (Schon, 1983, 1987; Reiman & Parramore, 1993; Sprinthall, Reiman, & Thies-Sprinthall, 1993). Ross (1988) asserted that teacher education programs must contribute to teacher reflectivity, and Nolan and Huber (1989) identified one of the goals of supervision as engaging teachers in reflection on practice. Johnson (1996) also advocates "cognitive apprenticeship" models of teacher education.

Krug, Love, Mauzey and Dixon (2015) believe that a well-designed student teaching experience can help future teachers develop problem solving confidence. In their study, they gave the problem solving inventory (PSI) to university education majors in a pretest-posttest format where the preservice teachers responded before and after the completion of student teaching. Analyses indicated the student teachers thought they had more confidence for problem solving during the posttest condition as indicated by significance on the PSI's subscales. The semester spent in the classroom as a student teacher played an essential role in the development of the necessary subjective confidence for solving classroom problems.

Coaching (by peers and experts) is a procedure that shows much promise for affecting teachers' cognitions and for engaging them in reflection. Joyce and Showers' (1989) meta-analysis of more than 200 studies found a large effect size for coaching on the transfer of new skills and models of teaching learned in professional development. Sparks (1986) found that peer coaching after professional development produced significant change in teacher behavior. Several studies (Anderson and Roit, 1993; Buttery, 1988; Phillips & Glickman, 1991) reported

that developmentally based peer coaching had a positive effect on teachers' conceptual levels. Costa and Garmston (1994) summarized several studies that showed positive effects of cognitive coaching on teachers' cognitive development (Edwards, 1982; Foster, 1989; Garmston & Hyerle, 1988; Garmston, Linder, & Whitaker, 1993; Lipton, 1993).

Maxie (2011) describes a framework that recognizes the developmental nature of learning to teach and considers the field experience as an ideal opportunity for novice teachers to reflect on self, contexts, relationships with students, and the work of teaching. During the early field experience, self refers to introspection into teaching-related concerns and a focus on personal change with respect to teaching science. She described reflections on self as captured in autobiographies, journals, and in lesson analyses. Contexts include the classroom, school, and community and offer the prospective teacher an opportunity to reflect on the roles and responsibilities of teachers, the structure of the school, and the relationship of the school to the community, particularly with respect to the teaching and learning of science. In this framework, participants reflect on contexts in weekly journals. As participants work with students, they reflect upon what they are learning about students from student work and from interactions with students. They examine how students come to understand science concepts. They become familiar with cultures, languages and styles of learning that students bring to the classroom. This is the domain of relationships. Finally, participants reflect on specific teacher knowledge and activities, including how teachers craft successful environments for student learning; how teachers support student learning; and, how teachers plan instruction.

Therefore, Miller and Mikulec (2014) believe that early field experiences must also be meaningful in the sense that they provide pre-service teachers with opportunities to work with diverse populations of students. In terms of relating to the students, they found that the pre-service teacher participants were initially hesitant and lacked confidence in their ability as future teachers to interact with and relate to students in an urban setting. This clinical experience served to demystify diversity and provided pre-service teachers with a demonstration of diversity in practice that led to the realization that "diverse" students have more in common with their peers than meets the eye. As a result, teacher educators must seek out unique clinical experience sites that will challenge preservice teachers to redefine their definition of diversity and teaching.

Selection, Preparation and Assignment of Campus-Based and School-Based Teacher Educators

Specific guidance for teacher candidates is valuable (Odell, 1986; Darling-Hammond, 1995). Educators have concluded that this guidance should come from school-based and campus-based teacher educators. The school-based teacher educators should be specially prepared, trained in supervision, aware of the goals and objectives of the field experience, and

have holistic knowledge about the teacher education program in which they are participating (Applegate, 1982; Faire, 1994; Killian & McIntyre, 1987). They also should be professional role models who are able to articulate their concepts of the teaching profession and who are active in professional organizations (Grimmett & Ratzlaff, 1986; Hauwiler, Abel, Ausel, & Sparapani, 1988-89). Good school-based teacher educators are mentors who provide opportunities for the teacher candidate to reflect upon and understand teaching (Lewis, 1993; Rekkas, 1995) and coaches who provide regular feedback (Farris, Henninger, & Bischoff, 1991; Joyce, Showers, & Rolheiser-Bennet, 1987; McIntyre, Byrd, & Foxx, 1996).

Campus-based teacher educators should be involved in the field experience and should be associated with the university and its programs beyond the supervision of the particular field experience (Enz, Kimerer, & Freeman, 1996; Goodlad, 1990). They, also, should be specially prepared for the role (Faire, 1994). The campus-based teacher educator is the liaison between campus and school and communicates the goals and objectives of the program to school personnel and to the teacher candidate when necessary (Goodlad, 1990; Johnson, 1988). It is desirable that the campus-based educator have associations with the school beyond the single field experience, participates in school activities, provides professional development opportunities for school-based teacher educators, and plans and implements field experiences in collaboration with school-based educators (Applegate & Lasley, 1986; Bischoff, 1988). The campus-based teacher educator is ultimately responsible for evaluating the teacher candidate and should provide regular feedback to the teacher candidate, involve the school-based teacher educator, facilitate formative and summative evaluations, and provide holistic evaluation (Williams, et al., 1997).

Becher and Ade (1982) found that being a good role model, in and of itself, is not sufficient for school-based teacher educators to influence positively the behaviors of teacher candidates, that it is important that they give feedback and allow opportunities for innovation. Many school-based educators are unable or unwilling to articulate good teaching practices (Wright, Silvern, & Burkhalter, 1982). Several studies found that teachers with specific training are better at giving feedback to teacher candidates (Killian and McIntyre, 1986); improved their communication with teacher candidates (Hauwiler, Abel, Ausel, and Sparapani, 1988-89); and made positive changes in teachers' cognitive growth, active listening, use of different teaching models, and self-direction (Thies-Sprinhall, 1984; 1986). Joyce and Showers (1980) analyzed over 200 studies and concluded that instruction, demonstration, and coaching were all essential elements of supervision, and their later research (Joyce & Showers, 1995) confirmed the importance of coaching skills for supervisors. These findings suggest that school-based educators need to be educated to have the maximum influence on teacher

candidates' teaching. Graham's study (2006) that included interview data collected through extended conversations with cooperating teachers highlight four conditions—strong organizational structures with clearly articulated expectations for all participants; affective engagement among participants; cognitive involvement with the complex intellectual tasks of teaching, and professional mentoring—that contribute to successful field experiences.

The theories of Vygotsky (1978) also support education for school-based and campus-based teacher educators. Vygotsky believes growth is enhanced by interaction with a more experienced person in one's zone of proximate development, the place at which one can perform adequately with the help of the more experienced person. Supervisors of teacher candidates can benefit from knowing this theory and learning what kinds of social interaction and dialogue will promote teacher growth.

Assessment in Field Experiences

Program feedback and evaluation are important aspects of field experiences programs. Assessing teacher candidates in terms of goals of the program can be a validation device for the program, as well as a source of information for program improvement.

McIntyre, Byrd, and Foxx (1996) state that "The evaluations of students in practicum experiences are based on a limited knowledge base Y" (p. 186). They advocate models of evaluation that incorporate demonstration of competencies (more quantitative, low inference measures of teaching) as well as more naturalistic, holistic approaches (more qualitative, high inference measures of teaching). If assessment is authentic, then it is useful not only in providing information to preservice teachers about their teaching but also is useful in assessing if the teacher education program is meeting its goals. Tellez (1996) states that "Assessments are authentic to the degree to which they are meaningful to and helpful for teachers in the exploration of their practices" (p. 707). The purpose of assessment is teacher growth and development. Measuring teachers' development within a framework of teacher education program goals is the best way to assess field experience programs. And obviously if the goals include such outcomes as reflective teaching, then more traditional, quantitative, low inference models of assessment will not yield good information for the program. Support for observations in combination with written feedback and conferences is abundant (Stodolsky, 1990; Wilkins-

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Cantor, 1996; Wood, 1991). Goldhammer, Anderson, and Krajewski (1993) provide a strong rationale for conducting conferences which address longitudinal issues related to instructional decisions and teaching and promote self-reflection. Portfolios allow teacher candidates to show actions and decisions made over time by compiling artifacts of their work. Candidates can document their work and analyze their decision-making processes. The value of portfolios for teacher growth is well-documented (Varvutis & Collins, 1991). InTASC's Performance Assessment Development Project (1996) offers criteria for evaluating portfolios. Many institutions have portfolio requirements in their teacher education programs.

Conclusions

- Field experiences are part of a complex developmental process of becoming a teacher. Field experiences should recognize the developmental level(s) of the teacher candidates engaged in them.
- More field experiences are not the answer. Better planned and more deliberative field experiences based on program goals are more likely to influence teacher candidates in positive ways.
- Field experience programs are the responsibility of institutions of higher education and of schools and should be collaboratively developed and implemented.
- Field experience programs must attend to helping teacher candidates be able to teach diverse children in diverse settings.
- Reflection on and analysis of teaching and learning is an essential component of learning to teach.
- Well qualified school based and campus based teacher educators who work with teacher candidates are essential to appropriate development of teacher candidates.
- Contexts for field experiences should be carefully chosen.
- Good field experience programs are highly related to the teacher education program goals and standards.
- Feedback and assessment are essential characteristics of good field experience programs.

- Good communication among all parties involved in field experiences is essential.

Definition of Terms

Campus-Based Teacher Educator -- the person from the college/ university who works with a field experience student on campus and in the schools

Collaboration -- partnerships between schools and colleges/ universities which include shared decision making and mutual benefits and which are focused on simultaneous reform of schools and higher education. This term denotes relationships that are deeper than cooperative ones in which schools simply participate in the teacher education program designed by higher education institutions.

Context -- the social, political, economic, morale conditions prevalent in a classroom, school, school system

Diverse Student Populations — populations of students representing ethnic, racial, socioeconomic, ability, and physical differences

Field Experiences -- denotes the entire range of school experiences, includes early field experiences to student teaching

Program outcome — what should happen in a teacher education program if the standard is achieved

Performance outcome — what the teacher candidate should know and be able to do if the standard is achieved

School-Based Teacher Educator — the teacher with whom a field experience student is working

Teacher candidate - - a person engaged in a field experience who is being prepared to be a teacher

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