



Initial teacher education students' perceptions during practicum in primary schools: A New Zealand experience

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3 **Initial teacher education students' perceptions during practicum in primary schools: A**
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5 **New Zealand experience**
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8 **Abstract**
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11 **Purpose**
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14 This paper is about mentoring of initial teacher education (ITE) students whilst on their
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16 practicum.
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19 **Design/methodology/approach**
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22 Informed by a social constructivist theoretical framework, an online survey was used to capture
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24 the breadth of quantitative data and the richness of qualitative responses relating to factors that
25
26 impact student teachers' experiences during practicum.
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30 **Findings**
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33 Quantitative data indicate many student teachers were positive about the practicum, but this
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35 varied across the type of school in which they were placed. The qualitative data analyses
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37 showed a greater in-depth understanding of the range of issues that impacted how student
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39 teachers are treated in their role as a mentee by the mentor and the wider school community.
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43 **Originality/value**
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46 This research study repositions the critical nature of effective mentoring of student teachers so
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48 that mentor teachers and ITE providers can be informed by the voices and lived realities of
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50 these student teachers. The mentoring relationship needs to be critically interrogated to provide
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52 a more even and supportive 'playing field' for all student teachers.
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Practical implications

Better understanding the experiences of student teachers helps to inform ITE providers of the critical role that mentor teachers play in preparing student teachers. The practical implications are that strategies to develop deep and collaborative partnerships amongst ITE providers, mentor teachers and school leaders, which builds stronger understandings of a mentor teacher's role, are critical in order to support student teachers.

Key words student teachers, primary teaching, mentors, mentees, mentoring, practicum

Paper type Research paper

Introduction

Developing initial teacher education (ITE) programmes that are responsive to the sector's needs, as well as changes to education mandates by ministries of education, can be challenging. In New Zealand, a recent policy shift has led to new ITE programme approval, monitoring and review requirements (Teaching Council of Aotearoa New Zealand Matatū Aotearoa, 2019). Under these new requirements, all current ITE programmes must be approved by the Teaching Council of Aotearoa New Zealand by January 2022. There has been a clear move towards a change in expectations around the kind of practical experience student teachers require, the nature of the mentoring and support student teachers need and the kind of assessments that will demonstrate they meet the required standards. The role of the practical experience has often been described as a critical element of teaching practicum (Bjørndal, 2020; Ellis *et al.*, 2020; Thompson and Schademan, 2019). Another key element is effective mentoring practices that can support both student teacher and mentor learning (Aderibigbe *et al.*, 2018).

In New Zealand, where this study is set, student teachers are required by the Teaching Council of Aotearoa New Zealand to undertake a minimum number of days on practicum

(also referred to as practice learning, professional practice, or placement) with mentor teachers (usually referred to as associate teachers in New Zealand). The mentor teachers provide authentic contexts in today's diverse classrooms and learning environments for student teachers to learn and grow professionally (Darling-Hammond, 2010). During a practicum, student teachers have the opportunity to acquire expertise through observing effective pedagogical practices, interacting with learners, planning and implementing teaching, reflecting upon their teaching, receiving and responding to constructive feedback and constructing a greater sense of themselves as teachers (Bjørndal, 2020). Hence, the social relationships that student teachers construct during the practicums are vital to their personal, cognitive and professional growth (Anderson *et al.*, 2009). These relationships are not just limited to mentor teachers but also include lecturers in their ITE courses, ITE practicum lecturers, other teachers in their placement schools, and children and their families (Anderson *et al.*, 2009; Trevethan, 2017). Often, student teachers are selected by interview into teacher education programmes using criteria which include relevant experiences with children and young adults. The field experiences on practicum can build on these prior experiences and help develop dispositions that student teachers bring from their wealth of life experiences (Lee *et al.*, 2019).

For a student teacher to be in a safe and supportive environment where there is mutual respect, the mentor teacher and the ITE provider must have a shared vision of the goals for the practicum and an understanding of the different roles participants play (Ellis *et al.*, 2020; Garza *et al.*, 2018). Continued and sustained engagement between ITE providers and mentor teachers in an attempt to clarify and understand the nature of purposeful, collaborative mentoring is critical and well evidenced in the literature (see, for example, Aderibigbe *et al.*, 2018; Garza *et al.*, 2018; Zeichner, 2010). This avoids student teachers having to contend with differing expectations (Trevethan, 2017). Learning whilst on practicum can be very

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3 challenging for student teachers. Not only do they have to contend with dealing with the very
4
5 emotive aspect of learning to teach (see discussion in Shapiro, 2010, about the relationship
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7 between emotion and developing teacher identity), often based around problems of practice
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9 and doubts of their own competence (Bjørndal, 2020), but also they are managing the
10
11 tensions and contradictions implicit in their development (Thompson and Schademan, 2019).
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13 The quality of the partnership between the mentor teacher and ITE provider is also critical to
14
15 student teacher success or failure (Ellis *et al.*, 2020). Frequently, the student teacher is
16
17 required to navigate a path through their practice experience in an attempt to meet the mentor
18
19 teacher's expectations within the classroom environment. The stakes are high as the student
20
21 teacher requires a positive report from their mentor teacher to progress in their initial teaching
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23 qualification. However, at the same time, they need to balance the mentor teacher's
24
25 expectations against the criteria for a pass imposed by the ITE provider. The complexity of
26
27 this mentoring relationship has been described by Thompson and Schademan (2019) who
28
29 identified five primary practices that support being an effective mentor teacher. These are
30
31 negotiating difference, sharing authority, co-mentoring, coaching in the moment, and deep
32
33 immersion in real-world teaching. Therefore, it becomes even more critical that, in
34
35 supporting both mentoring practices and student teachers, the triadic relationship between the
36
37 mentor teacher, the ITE provider and the student teacher is framed around the development of
38
39 a learning community that is built on collegiality and reciprocity (Le Cornu and Ewing, 2008;
40
41 Zeichner, 2010).

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43 Often, research studies have examined practicum during ITE qualifications from the
44
45 perspectives of the ITE providers and mentor teachers (see, for example, Haigh and Ell,
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47 2014; Sewell *et al.*, 2017; Sheridan and Tindall-Ford, 2018; Trevethan, 2017). However,
48
49 student teachers' experiences of practicum are varied and challenging. The whole learning
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51 experience can be a very emotive process (Shapiro, 2010) as student teachers try to make
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3 sense of their emerging self-efficacy and teacher identity (Anderson *et al.*, 2009; Bjørndal,
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5 2020), whilst negotiating the complexities of engaging with their mentors (Ellis *et al.*, 2020;
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7 Le Cornu and Ewing, 2008).

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9
10 This study aimed to explore the mentoring experiences of New Zealand primary student
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12 teachers during a recent practicum experience within a three-year bachelor's ITE programme.
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14 The findings from this research will inform teacher educators' understandings of students
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16 teachers' experiences as mentees and the ITE educator's role in supporting mentors' ongoing
17
18 professional development (see also Hobson, 2016, for a discussion on the need for more
19
20 support in understanding the often highly variable judgemental practices which occur for
21
22 beginning teachers whilst on practicum).

23 24 25 26 27 **Literature**

28
29 Effective mentoring practice is a hallmark of high-quality teacher education programmes
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31 (Black *et al.*, 2016). While student teachers are on practicum, their mentoring can be
32
33 conceived of as a dyadic relationship (Aderibigbe *et al.*, 2018). Collaboration between the
34
35 mentor and the mentee is founded on their joint attitudes and values. Indeed, Ellis *et al.*
36
37 (2020), in their review of the elements of a quality student teacher mentor, stated that
38
39 successful strategies of mentoring involve collaboration, collegiality, interaction, a reciprocal
40
41 exchange of ideas, and the joint creation of new knowledge and meaning. The importance of
42
43 mentor teachers' ability to develop professional relationships, not only with their colleagues
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45 within participatory communities of learning but also with ITE providers, may support the
46
47 development of a shared professional identity as teacher educators (Andreasen *et al.*, 2019).
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49 Establishing genuine and authentic partnerships between institutions and schools, where
50
51 mentor teachers and ITE providers can create a shared professional identity and have a clear
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53 sense of purpose, has been identified as a key feature of high-quality practice that impacts
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55 outcomes for student teachers (Whatman and MacDonald, 2017). However, implementing
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3 such a community of practice can be challenging. Often, a misunderstanding of the different
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5 'knowledge cultures' of these spaces can lead to issues of mistrust and disagreement
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8 (Andreasen *et al.*, 2019; Ellis *et al.*, 2020; Zeichner, 2010).
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11 The subjectivity of mentor teacher judgements of student teachers may be based on their own
12
13 teaching service, 'gut feelings' of what type of person fits as a teacher (Ell and Haigh, 2015;
14
15 Hobson and Malderez, 2013), stereotypes of what is viewed as normative (Phelan, 2005) and
16
17 mentees' and mentors' experiences of ethnicity and accents (see discussion in Maddamsetti,
18
19 2018, about mentor teachers' roles in building inclusive practices where the cultural and
20
21 linguistic backgrounds of ethnic minority student teachers are acknowledged and accepted).
22
23 Aderibigbe *et al.* (2018), in their research on student teachers and mentor teachers in
24
25 Scotland, found that some student teachers had only a 'fair relationship' (p. 61) with their
26
27 mentor teachers, with collaboration not being highly evident. An improvement in this
28
29 relationship may increase the reliability of judgements and improve outcomes for teachers.
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34 Mentor teachers are generally intrinsically motivated to commit their own time and support to
35
36 a student teacher and share their own knowledge and skills for the next generation of teachers
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38 (Garza *et al.*, 2018). This selfless concern to provide guidance to an emerging teacher can
39
40 also enhance a mentee's development. Garza *et al.* (2018), in their examination of mentors'
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42 conceptualisations of preservice teachers in the United States, found that mentors were open
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44 to new learning which developed their own pedagogical skills and knowledge, and their
45
46 leadership experience was a valuable skill that enhanced effective mentoring.
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50 51 ***Teacher education providers and mentor teachers*** 52

53
54 Trevethan (2017) explored the views of mentor teachers and those of teacher educators from
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56 ITE providers in New Zealand. She found an incongruence between the mentor teachers'
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58 perceptions of their mentor role and that presented by the ITE educators. The mentor
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3 teachers' emphasis was on the technical aspects of their mentoring role rather than
4
5 transformative aspects of teaching, such as improving [children's learning](#). The
6
7 misunderstanding between mentor teachers and teacher educators can exist even when both
8
9 parties are committed to supporting [reform-minded teaching practice](#) and moving [away from](#)
10
11 a traditional role of teacher mentoring ([Wang and Odell, 2007](#)). In other words, as Hobson
12
13 (2016) advocated, mentors need to take advantage of opportunities to further develop
14
15 effective mentoring practices. [Aderibigbe et al. \(2018\)](#) argued that 'mentoring relationships
16
17 based on joint decision-making are essential not only for effective teaching and learning ...
18
19 affirming that teachers and student teachers can learn from each other to further develop their
20
21 professional knowledge and skills through the mentoring process' (p. 65). [Trevethan \(2017\)](#)
22
23 highlighted the lack of professional development for mentor teachers in their role as high-
24
25 quality mentors. In this research, she found that mentor teachers were left to draw on their
26
27 personal constructions of their own experiences when they were student teachers. These
28
29 findings concur with the recommendations of the Scottish Government in their research on
30
31 improving teacher education and professional learning of practising teachers ([Black et al.,](#)
32
33 2016). Successful strategies encompassed professional development in mentoring which
34
35 resulted in mentor teachers more frequently engaging in professional discussions and more
36
37 teachers engaged in professional learning. [Aderibigbe et al. \(2018\)](#) provided an argument for
38
39 developing a participatory-involved process, where emphasis is placed on mutuality and
40
41 voice. Such an approach, that recognises and supports mentor teachers as valued members
42
43 within a community of practice where they are appreciated by ITE educators, can not only
44
45 improve the self-worth of the mentor teachers but also support the development of their own
46
47 teacher educator identity ([Andreasen et al., 2019](#)).

56 In New Zealand, there have been changes to the architectural design of school buildings.

59 These large, open, flexible buildings with multiple teachers ([two to six teachers](#)) and larger
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1
2
3 cohorts of students, often referred to as ILEs (innovative learning environments), are
4
5 underpinned by a philosophy where students are encouraged to be self-regulated learners with
6
7 a stronger emphasis on the use of digital technologies (Byers *et al.*, 2018). The move to ILEs
8
9 from traditional, single-teacher classrooms has provided another challenge in the preparation
10
11 of graduating teachers. Recent research (Fletcher and Everatt, 2021) on student teachers'
12
13 perspectives of completing practicums in ILEs found that the more experience student
14
15 teachers have in ILEs, the more positive they are about teaching in these spaces, including the
16
17 wider opportunities for collaboration with their mentor teacher and other teachers situated
18
19 within the multi-teacher ILE.
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24 Thompson and Schademan (2019) described how some relationships between universities
25
26 and schools are poor or ineffective as a result of student teachers being required to have more
27
28 of an apprenticeship role, and mentoring practice is therefore limited. Another study
29
30 (Aderibigbe *et al.*, 2018) found student teachers sometimes felt they had collaborative
31
32 experiences whilst on placement, but at other times, they felt like 'outsiders'. They described
33
34 that, at times, collaboration was constrained, thought of as a task by mentor teachers rather
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36 than a core practice of professional learning. Le Cornu and Ewing (2008) contended that it
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38 becomes the responsibility of ITE providers to support student teachers' intellectual and
39
40 social capabilities to allow them to responsibly participate within such learning communities.
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45 Furthermore, there needs to be more opportunities for co-generative understanding between
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47 ITE educators and mentor teachers, where mentors and mentees work together with a shared
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49 understanding of roles and responsibilities during practicum (Aderibigbe *et al.*, 2018;
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51 Andreasen *et al.*, 2019; Ellis *et al.*, 2020; Garza *et al.*, 2018). When mentor teachers and
52
53 teacher educators develop two-way, sustained dialogue, this can result in the creation of new
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55 knowledge and learning for student teachers. This would allow for what Zeichner (2010)
56
57 termed the 'third space', which occurs when mentor teachers, student teachers and teacher
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educators work together in ways that illuminate the boundary crossing (the third space) between learning on the university campus and on school sites during practicum.

Theoretical framing

This research is framed by an epistemology centred on social constructivism. Learning and knowledge are developed by collaborative processes of construction and creation (Ernest, 1995). Underlying social constructivism are context and culture, which are significant in forming deeper learning through internalisation of social interactions (Vygotsky, 1978). Gaining knowledge, understanding, and reflecting on ideas of others entail engaging in dialogue and open conversations between the mentor and mentee. Social constructivism redirects the mentor's role to providing environments where mentees can collaboratively construct knowledge and learn to mediate the sociocultural space (Adams, 2006). Implicit is the idea of the mentor and mentee being dual agentic in scaffolding and co-constructing learning in safe and culturally relevant contexts. When this does not happen, it may result in what Hobson and Malderez (2013) described as judgemental mentoring (judgementoring), which 'potentially prevents the development of the primary context for learning at this level (the trusting and safe relationship), impedes the mentee's development of informed reflective practice ... and negatively impacts the mentee's emotional wellbeing' (p. 101).

The professional relationship between these two key players may comprise two styles of mentoring (Wang and Odell, 2007). First, an asymmetric style between a mentor and mentee can be based on the mentor's power or expertise which may position the student teacher as a visitor within the school, expected to strictly follow the set routines and teaching styles (see discussion in Hobson and Malderez, 2013, around the failure of school-based mentoring to support effective mentoring practices). On the other hand, a participatory-involved approach captures the mutuality and voice within the relationship. Clutterbuck (2004) suggested that

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2
3 the learning environment needs to be enabling and empowering for mentees. By working
4
5 collaboratively, the mentor and mentee engage in joint decision-making, with opportunities
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7 for the mentee to flourish independently during this participatory-involved process
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10 (Aderibigbe *et al.*, 2018).

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13 The scaffolding framework provided by the ITE provider's requirements for the student
14
15 teacher whilst on practicum contributes a further dimension, which necessitates a weaving
16
17 together of the mentor teacher's expectations and those of the ITE provider. For student
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19 teachers, the ubiquitous nature of an effective ITE programme is that learning to teach is a
20
21 collaborative venture between the ITE provider and schools (Mtika *et al.*, 2014). Success in
22
23 navigating the passage between the joint expectations of the mentor teacher and ITE provider
24
25 can be heavily influenced by the sociocultural context within the wider learning environment
26
27 and student teacher's nimbleness to react in a reflective and positive manner to what may be
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29 differing expectations (Trevethan, 2017).

30 31 32 33 34 **Research design**

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37 The aim of this study was to gain further insight into the student teachers' mentoring
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39 experiences during their practicum in one university's ITE three-year bachelor's degree
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41 programme in New Zealand for qualifying primary school teachers. The research questions
42
43 underlying this investigation were (1) What are the strengths and barriers for student teachers
44
45 when negotiating their experiences on practicum? (2) In what ways does a student teacher
46
47 have to navigate between the mentor teacher and the ITE provider's practicum requirements?
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49 (3) What factors can influence student teachers' experiences and attitudes towards a
50
51 practicum?
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56 The mentoring process located in ITE programmes involves archetypal elements such as
57
58 teacher disposition, effective communication skills and a passion to scaffold student teacher
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3 competence. The differing social **dynamics implicit in the** role of mentoring student teachers
4
5 in the diverse range of school types acknowledge the complex nature of capturing the
6
7 converging factors that **can impact the student teachers' experiences**. Such complexity is best
8
9 investigated through multiple research approaches (see discussions in **Cohen et al., 2018**);
10
11 **hence, a mixed methodology** was used to gather data in the current study. This provided a
12
13 dichotomous method of inquiry where the primary exploration for meaning came from the
14
15 analysis of the qualitative data, with the analysis of quantitative data being used to support
16
17 the qualitative interpretations (**Teddlie and Tashakkori, 2003**). An online questionnaire was
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19 employed to capture the breadth of quantitative data and the richness of qualitative responses
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21 from student teachers (approximately one third of potential student teachers) across a three-
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23 year teacher education programme.
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28 29 *New Zealand context*

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32 **ITE providers** in New Zealand traditionally develop, deliver and award qualifications that are
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34 monitored by a government agency, **the Teaching Council of Aotearoa New Zealand**, to
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36 ensure the robustness of the qualifications. In New Zealand, ITE qualifications can
37
38 encompass lectures, online course-specific sites, and workshops. These include quintessential
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40 content such as theoretical perspectives on teaching and learning, effective pedagogical
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42 practices, **knowledge of the curriculum, child development, bicultural practices and learning**
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44 **te reo Māori** (the language of Māori who are the Indigenous people of New Zealand), and
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46 cultural and special needs of all learners. A statutory requirement of gaining a teaching
47
48 qualification in New Zealand **is that** student teachers experience a set amount of time on a
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50 practicum, which in a three-year programme is a minimum of 20 weeks of practicum across
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52 the three years (**Whatman and MacDonald, 2017**). Table 1 indicates the overall number and
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54 length of practicums for this ITE provider's programme, the days the student teacher is
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3 required to assume the role of a teacher and the main teaching focus during each of these
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5 practicum.

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8 **Table 1: Profile of student teacher practicums across the three year levels of the three-year**
9 **degree.**

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11 [Insert Table 1 about here]

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13 During this time, the student teacher works with a mentor teacher who oversees their day-to-
14 day teaching activities in the placement school. This mentor teacher is a teacher within the
15 placement school and will have information about the practicum's purpose and the
16 opportunity for training on supporting the student teacher. Mentor teachers volunteer for the
17 role and are approved by the school principal who validates the suitability of the teacher to
18 take on the mentoring role.

19
20 In addition, an ITE practicum lecturer from the three-year bachelor's degree programme
21 visits the student teacher to observe them teaching during the practicum. The practicum
22 lecturer provides formative and summative assessment of the learning outcomes for the
23 practicum and offers support and mentoring to the student teacher. They liaise with the
24 mentor teacher about the progress of the student teacher in the practicum. Twice during the
25 year, ITE practicum lecturers undertake professional development focusing on topics such as
26 mentoring and dealing with challenging situations. Professional development workshops have
27 been offered to mentor teachers, but these have had varying and often low attendance,
28 possibly due to the intensive nature of teachers' workloads. ITE practicum lecturers have
29 access to the online practicum course site, which includes practicum documents, readings,
30 guidelines and weekly updates. A proportion of practicum lecturers are sourced externally
31 and include retired principals and teacher educators.

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Sampling and data collection procedures

For this investigation, criterion sampling (Cohen *et al.*, 2007; Patton, 1990) was used, with student teachers in Years 1, 2 and 3 of the three-year ITE degree invited to complete a questionnaire via their university email. The questionnaire was developed to explore student teachers' views on their experiences on practicum. It comprised questions on the respondent's background, a series of statements about the relationship between the student teacher and their mentor teacher, and open-ended items that allowed respondents to report their own views about their work with their mentor teacher, the support offered, whether they felt part of the wider school community of learning and what opportunities they had to discuss their learning whilst on practicum.

The questionnaire included an introductory section which outlined that participation was voluntary, they could withdraw at any time without penalty and they could skip a question and leave any answer blank by selecting 'prefer not to answer' if they felt uncomfortable with a question. The email was distributed to student teachers soon after completion of their practicum and included a link to a university Qualtrics site where the questionnaire could be completed. This aligned with a time in the academic calendar when there were less demands on student teachers in regard to assignments. Data were collected by one of the authors who was not involved in the design of the degree and did not assess or teach the student teachers; participants were informed of this and were ensured confidentiality of their responses about the practicum. In regard to any risk to the reputations of mentor teachers, as the student teacher responses were anonymous and student teachers were on practicum throughout New Zealand at several hundred different schools, it would be very difficult to identify a mentor teacher with any degree of accuracy.

Five items were specifically related to the mentoring support of the student teacher: (1) 'My associate teacher involved me in evaluating my practice learning', (2) 'My associate teacher involved me in choosing my practice learning goals', (3) 'I was able to discuss my practice learning with my associate teacher', (4) 'I felt supported by my associate teacher during my placement', and (5) 'My associate teacher was a good mentor'. Additional items focused on the wider school community and the relationship with the practicum lecturer: 'I felt a sense of belonging at the school during my placement', 'I did not feel part of a learning community on my placement', 'I felt the staff at the school supported my practice learning', 'The relationship between my associate teacher, professional practice lecturer and myself did not support my professional learning', and 'My professional practice lecturer was a good mentor'. Each item was responded to on a 5-point scale, from *strongly agree* to *strongly disagree* and a central neutral response. Space for comments about these statements followed the forced-choice responses.

The Qualtrics survey was distributed by email with an explanatory letter to all Years 1, 2 and 3 primary degree students after they completed a practicum. The first page asked for informed consent to take part in the study, and about one third of students on the programme indicated consent and completed the questionnaire. Response rates were 71 of 210 students (33% response rate) for Year 1 students, 38 of 170 students (22% response rate) for Year 2 students and 60 of 160 students (38% response rate) for Year 3 students. The differing response rates amongst the year levels is potentially indicative of the demands of other courses within the programme at the time of the surveys and the level of engagement in additional work related to their courses. However, it may also relate to feelings about their studies – see the results described below.

Student teachers were asked about their last placement as we assumed that this would be a recent, and therefore their most salient, professional placement experience which would help

with better recall of details and provide an assessment of up-to-date processes in schools.

Statements about their experiences, therefore, also focused on this last placement. A final aspect of schools that we asked the student teachers about was a result of changes that have occurred to the structure of schools over recent years in New Zealand, particularly following the earthquakes around the city of Christchurch seven to eight years before the current study.

The need to rebuild or repair schools has led to the adoption of more flexible school spaces – sometimes referred to as ILEs. This experience is likely to be different from the student teachers' own school experiences, and we wanted to explore how this affected their views of working with a mentor teacher. The multiple teachers in the more flexible classroom space may increase collaboration between mentor teacher and student teacher, as well as provide opportunities for more discussions with teachers across the school. In contrast, the more traditional classroom may allow for more focused support from a mentor teacher and make it easier to observe how the student teacher interacts with children in the class.

Demographics of research participants and practicum contexts

In this study, student teachers were predominantly female and aged between 18 and 22 years. Information from student teachers who volunteered to take part indicated that the last professional placement of the majority was in a state school (87%). Over half of student teachers (52%) were placed in a full primary school (Years 1 to 8), although a sizeable group were placed in a contributing primary school (39%); a contributing primary school is one that covers school Years 1 to 6 only. Most placement schools were in a city (41%) or a town (40%). The majority of these schools were decile 6 to 10 schools: only 29% of student teachers were placed in decile 1 to 5 schools. Deciles indicate the socioeconomic levels of the community around the school, and most schools serve the community within which they are placed; hence, deciles are indicative of the socioeconomic background of many children in a

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3 school, with lower deciles indicative of high levels of poverty and deprivation within a
4
5 community. The majority of student teachers were placed in English medium schools, whilst
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7 21% reported being placed in schools where the teaching was in both English and Māori.
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10 However, placement schools were divided between predominantly New Zealand European
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12 backgrounds of children (43% of students were placed in such schools) and a more
13
14 multicultural mix of children within the school (54% of students were placed in these
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16 schools). New Zealand European is the dominant ethnic group (48%) in New Zealand
17
18 schools, with Māori (25%), Asian (14%), Pasifika (10%) and a range of other ethnic
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20 backgrounds (Ministry of Education, 2021).
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23 *Quantitative*

24 *Data analysis*

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30 The 10 questions of focus (five on the mentor teacher relationship and five related more to
31
32 the school community) were analysed in terms of frequency of responses. These were then
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34 considered in terms of three variables of interest within the study: the year group of the
35
36 student, the decile of the last placement school and the type of classroom space that was
37
38 typical of the last placement school. Year group was simply based on the three years within
39
40 which the student teacher was studying at the time of the study. Decile was coded as low (1
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42 to 4), medium (5 to 7) and high (8 to 10) to avoid analyses including small cell sizes. Type of
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44 classroom space was based on four descriptors: (1) school classrooms, mostly newly built
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46 ILE spaces though with some adapted ILE spaces, (2) mixed ILE classrooms and traditional
47
48 classrooms in one school, (3) traditional classrooms adapted to ILE spaces (typically
49
50 involving removing dividing walls between single-teacher classrooms), and (4) traditional
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52 classroom school (typically one teacher per classroom). Tables 2 to 4 show the results of
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54 comparisons of these three variables on the frequency of responses to the 10 statements; most
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frequent (modal) responses are **bold**. There were some missing responses to Likert items on the questionnaire, but these comprised only one or two missing data points for each question.

Frequency tables have the advantage of retaining the data in their original form: that is, the number of respondents for each alternative answer, which allows clearer interpretation of the findings from such a questionnaire. This allows two alternatives to be contrasted by the number of responses to each, rather than transforming responses into numbers and interpreting these transformed data. (A transformation to numbers would lead to odd interpretation about scores such as 3.1 differing from 3.5, and the meaning of these values that fall between response options – this would be particularly problematic around the mid-point of the scale as it is unlikely that a ‘neutral’ response would fall simply at the mid-point between an agree versus disagree response.) Analysing frequencies also maintains the original non-parametric form of the data and avoids problems of violating assumptions of parametric data, particularly when using a questionnaire designed specifically for the purpose of this study. Therefore, appropriate non-parametric analyses were performed (Siegel and Castellan, 1988). For each statement, a χ^2 analysis was performed to look for differences between the year-group levels, deciles and classroom-type variables. Standardised residuals were calculated for each frequency to determine if an observed value was larger (positive residuals greater than 1 indicated by a single underline) or smaller (negative residuals less than -1 indicated by a double underline) than expected based on the distribution of frequencies.

[Tables 2 to 4 about here]

Findings and discussion

Overall, student teachers’ views were positive about their experiences in their placement school and relationship with their mentor teacher. In terms of the three variables investigated

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3 to determine if they influenced these views, there was little effect of school decile on student
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5 teachers' views: views were very similar whether the student teacher's last placement was in
6
7 a lower or higher decile school. Given the sometimes-perceived pressures on teachers in
8
9 lower decile schools, this is a notable finding – though, as indicated, fewer lower decile
10
11 schools were included in the data set, possibly indicating that other lower decile schools did
12
13 not feel able to support student teachers because of their workloads.
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17 However, in contrast, there was an effect of classroom type on some of the statements. This
18
19 seems to suggest that those who had experienced their last placement in a school with mostly
20
21 built ILE spaces indicated more positive responses about their interactions with their mentor
22
23 teacher and the school. There was also an effect of year group, which seems to suggest less
24
25 positive or more variable responses from student teachers in Year 2 of the programme – an
26
27 effect that may also be associated with the lower response levels of the Year 2 cohort. With
28
29 the highly complex nature of student teacher experiences within the degree programme, we
30
31 are unable to identify specific factors or reasons for this variability. However, it is worth
32
33 noting that in Year 2, student teachers experience only one practicum, and this is in Semester
34
35 2. This aspect warrants further consideration as it might be a specific effect of the timing of
36
37 the practicum or the student teacher experience within the individual schools at that point in
38
39 time. These two effects (of year group and classroom type) seem to be somewhat
40
41 independent: around 20% to 25% of Year 2 student teachers were in each of the four
42
43 classroom types, suggesting that any effect of classroom type was not simply due to a large
44
45 number of Year 2 student teachers experiencing that classroom type as their last placement.
46
47 The slightly more positive statements from those last experiencing a purpose-built ILE school
48
49 may be due to the collaborative nature that these types of classrooms require of teachers.
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51 Supporting a new student teacher would also require the mentor teacher, and other teachers in
52
53 the group, to work together to support the student teacher. It may be that such classrooms are
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3 ideal spaces in which to develop collaborative teaching skills – though placements in a
4
5 traditional, single-teacher [classroom may](#) also be needed for student teachers to experience
6
7 these spaces and the needs of such a classroom.
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10 ***Qualitative***

11 *Data analysis*

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17 The design of the research study was driven by the research questions, and this influenced from
18
19 whom the data were collected and how [these](#) would be collected and analysed. The analysis
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21 strategy drew on particular analysis processes used in grounded theory, which included
22
23 open/initial coding, axial coding and selective coding strategies (Charmaz, 2003; Strauss [and](#)
24
25 Corbin, 1990). This provided a model of systematic inquiry where the data could be compared.
26
27 The open-ended qualitative responses items were analysed by identifying the initial themes to
28
29 develop coding categories ([Fraenkel and Wallen, 2006](#)). Not all students included qualitative
30
31 responses. Following the analyses, axial coding was used to detect any connections between the
32
33 initial coding, such as availability of the mentor teacher to discuss issues with the student teacher
34
35 and the importance of regular feedback. [Last](#), selective coding was used to find the main concepts
36
37 that reappeared on a frequent basis (Charmaz, 2003; Neuman, 2000). The qualitative data
38
39 provided a differing lens to understand the student teachers' contrasting experiences on
40
41 practicum. Two overarching themes emerged: mentoring role of the mentor teacher and the
42
43 community of practice within the placement school. These illustrated the differing aspects that
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45 impinge on the complexities of providing authentic experiences in the classroom for student
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52 teachers.
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Findings and discussion

1. Mentoring role of the mentor teacher

Mentoring is a critical role in the development of a student teacher (Aderibigbe *et al.*, 2018; Trevethan, 2017). Some of the student teachers shared how they experienced mentor teachers who appeared to lack time to give quality support.

Sometimes I felt it was hard to find the time to discuss things with my associate teacher. Teachers are extremely busy people. (Year 1 student teacher)

As my associate teacher was very busy with a lot of things, I sometimes felt that I would go for two to three days at a time without ever having a conversation with her.

In these moments, I sometimes felt a bit isolated and very worried that I would not get the opportunity to gain the teaching and learning experience that I required. (Year 3 student teacher)

Another issue was that some of the mentor teachers did not appear to read and understand the criteria set by the ITE provider that student teachers were expected to accomplish whilst on practicum. This led to feelings of frustration for the student teacher and evidenced a lack of cohesion between the school and university contexts: 'I felt my associate teacher did not have time to watch the briefing videos or read the guidelines provided to support [student teachers]' (Year 2 student teacher).

There appeared to be a disconnect in the 'third space' which can bring together the mentor teachers and ITE educators. This aligns with the concerns expressed by Zeichner (2010) in their rethinking of the connections between practicums and university-based teacher education. Furthermore, being new to the mentoring process was another challenge, as indicated in this student teacher's experience: 'I was my associate teacher's first student

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3 teacher ever and they struggled to understand what was required to support me as a student
4
5 teacher' (Year 2 student teacher).
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8 This lack of connection and joint understanding between the university and the mentor
9
10 teachers concur with findings of prior research (see, for example, Trevethan, 2017; Zeichner,
11
12 2010).
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16 Other student teachers perceived that discussions with their mentor teacher were around
17
18 general matters of teaching practice but lacked quality opportunities to collaboratively
19
20 unpack the explicit acts of teaching (Hudson, 2013). For example, one student teacher said,
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22 'The discussion with my associate teacher was always around general practice ... again time
23
24 was a problem, quality time with the associate teacher in class' (Year 1 student teacher).
25
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27
28 A participatory-involved approach (Wang and Odell, 2007) that captures the mutuality and
29
30 voice within the relationship between the mentor and mentee appeared to be sought by some
31
32 student teachers: 'It is more beneficial to have discussions and observations from the
33
34 associate teacher. We did not use it at all to negotiate my learning' (Year 2 student teacher).
35
36 Similarly, differing styles of mentoring were evidenced, with some mentor teachers using a
37
38 more asymmetric style (Wang and Odell, 2007) where they initially expected the student
39
40 teacher to follow the practices of their mentor teacher:
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43
44 My associate teacher was very young (I am in my 40s) and I was her first student.

45
46 Over the five weeks we built a great relationship but it wasn't easy at first. On the first
47
48 day, she introduced me as practising and told the children they would still need to ask
49
50 her the questions. However, by the end of the practice even after my full control time
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52 finished I was still taking the class while she was able to do testing etc. (Year 3
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54 student teacher)
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3 There was a range of experiences amongst the student teachers, with several experiencing
4 very supportive and nurturing mentor teachers. For example, this student teacher's comment
5 was similar to many other responses: 'I was extremely fortunate to have a very supportive
6 associate teacher who was experienced and knowledgeable' (Year 3 student teacher).
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12 Other student teachers had opposing experiences to their peers:

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14 My associate teacher was not interested in having a student teacher. Other members of
15 staff were supportive. (Year 2 student teacher)

16
17 Unmotivated, disinterested associates who don't know how to support a pre-service
18 teacher is the real problem with this course. (Year 3 student teacher)

19
20 I was often compared to [previous more experienced] students at my school so felt
21 inadequate or pressured to undertake tasks I didn't feel equipped to do. (Year 2
22 student teacher)

23
24 Any relationship has two sides, and the perception of one party may not reveal the fuller
25 context which led to these student teachers feeling negative about their mentor support.
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29 Nevertheless, from these students' perspectives, this was their lived reality. These findings
30 align with the call by Zeichner (2010) to address the perennial problem of a lack of explicit
31 and focused connection between the ITE courses and practicum experiences.
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34 35 36 37 38 39 40 41 42 43 *2. Community of practice within the placement school*

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45 As a student teacher, professional learning is clearly situated within their community of
46 practice in the wider context of the whole school. The complexity of engaging in the process
47 of learning during practicum means that the development of relationships in this space is a
48 highly valued component of the experience. Student teachers valued those opportunities
49 where they were able to feel more integrated and be part of a team. This student teacher,
50 similar to others, said,
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3 An inspirational part of placement was the syndicate I was in. There were two
4 recently trained teachers, another with high expectations. My associate teacher was
5 trained in the last ten years. Seeing the team working together regularly to plan,
6 support and provide so many opportunities for the children was brilliant. (Year 2
7 student teacher)

8
9
10 Student teachers were very aware of the opportunities provided by such relationships and felt
11 that they could also position themselves as part of the community. Indeed, they saw the
12 benefits of being treated more as an active participant in the relationship:
13

14
15 My associate teacher and the staff made me feel welcome from day one. I also
16 contributed to the successful learning environment by positioning myself as the
17 learner and later stepping up to be the tuakana [Māori word for teacher] in the
18 learning environment. (Year 3 student teacher)

19
20 However, building effective relationships can be challenging. There was not always the level
21 of collaboration between the mentor teacher and other teachers within the school:
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23
24 It was such a shame to be welcomed with open arms by all of the staff ... only to be
25 blindsided by my associate in my final week. Even the principal provided me with a
26 lot of support, but my associate teacher could not do the same. (Year 3 student
27 teacher)

28
29 Student teachers were perceptive to the ways in which other teachers in the school regarded
30 them. Whilst trying to become established within a learning community, student teachers saw
31 a number of challenges. Some student teachers were able to build constructive relationships
32 with the wider school staff, who were willing to work cooperatively with them (Trevethan,
33 2017), whilst others were unable to move beyond 'pseudo-community' (Grossman *et al.*,
34 2001; Le Cornu and Ewing, 2008). This is where a community may have the external facade
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3 of certain shared values and beliefs, but it is not evident when interacting with all staff in a
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5 school.

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8 Only some staff members made me feel welcome. I was mainly ignored by the others.

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10 (Year 2 student teacher)

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12 As opposed to my other placements though, I don't feel a part of the crew. There have
13
14 been no team meetings except for PD [professional development], nothing to do with
15
16 planning or a catch up in the syndicate since I've been there. I hardly see the principal
17
18 with his staff and I feel a bit disconnected. (Year 3 student teacher)

19
20
21 The wider school staff was perceived by the student teachers as another critical part of their
22
23 practicum placement. Although much of the criteria's focus for the assessment of a successful
24
25 practicum is the time the student teacher spends with the mentor teacher in the classroom,
26
27 part of being an effective teacher is having the opportunity to be a valued member of the
28
29 school community. This finding from our study highlights the wider mentoring nature of a
30
31 whole-school community in growing and developing confident and effective emerging
32
33 teachers.

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36 For many student teachers, their experiences on practicum evidenced the high calibre of a
37
38 supportive, school-wide community. For example, these two student teachers' comments are
39
40 reflective of many others:

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43 I felt very lucky that for my first placement I got such a fantastic school. I felt like I
44
45 slotted into the learning community well and I felt a sense of belonging to the
46
47 classroom and wider school. (Year 1 student teacher)

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50 My placement school was a community full of support, humour and belonging. I felt
51
52 part of the team quickly and I was sad to leave. (Year 3 student teacher)

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55 From a social constructivism perspective, the teacher's role and that of the wider school
56
57 community is to provide environments where student teachers can mutually construct
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3 knowledge and mediate the sociocultural space through relationship building and developing
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5 social and emotional skills (Adams, 2006). Practicums are high stakes for student teachers as
6
7 they provide a crucial site for controlling entry into the teaching profession (Haigh and Ell,
8
9 2014). Problems in the assessment of practice in the practicum can lead to non-graduation
10
11 into the teaching profession. Thus, the challenges faced by the student teachers in this study
12
13 corroborated how, in these high-stakes practicum environments, they needed to cautiously
14
15 and skilfully navigate the complexities of professional learning with their mentor and other
16
17 individuals in their school setting.
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21 22 **Conclusion**

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25 In this study, the student teachers reported a wide range of experiences as mentees whilst on
26
27 their practicums. Notwithstanding that the mentor teachers were situated in a wide range of
28
29 contexts with differing architectural school buildings, socioeconomic areas, ethnicities and
30
31 language mediums of instruction, which provides the variability and richness of becoming a
32
33 resilient and flexible teacher, there appears to be explicit factors that impinged on the quality
34
35 of the mentoring for some student teachers. Some student teachers reported an apparent lack
36
37 of professional commitment by their mentor teacher in their knowledge of the requirements
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39 for the practicum, little time provided for professional dialogue and feedback, and a general
40
41 sense of disinterest by some mentors (and in some cases by the wider school community) in
42
43 supporting the student teacher. This finding reinforces the call by Hobson (2016) in his
44
45 ONSIDE Mentoring framework that advocates for mentoring to be off-line (non-
46
47 hierarchical), non-judgemental, supportive of mentee's wellbeing, individualised to the needs
48
49 of the mentee, developmental and growth oriented and empowering the mentee to be more
50
51 autonomous and agentic. Yet, for many other student teachers, the practicum environment
52
53 and quality of mentoring provided opportunities for positive professional growth. Of interest
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55 was that students who had been in an ILE, rather than a traditional, single-teacher classroom,
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3 were more positive about the mentoring relationship with their mentor teacher and the wider
4
5 school community. It may be that in an ILE, developing positive and collaborative
6
7 professional and collegial relationships are a prerequisite to developing a generative learning
8
9 environment.
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13 This wide variation in the experiences reported by these 210 student teachers aligns with
14
15 findings from Hudson and Hudson (2011) in their research in Australia, which reported
16
17 haphazard mentoring by mentor teachers, lacking in sound theoretical frameworks. Mentor
18
19 teachers, as Garza *et al.* (2018) outlined, are intrinsically motivated to provide guidance for
20
21 the student teachers and commit time and wisdom to support student teachers. The important
22
23 duality of the ITE educators and the mentor teachers in the 'third space' is an area where
24
25 further collaborative work can be undertaken to enhance the experiences and learnings of
26
27 student teachers. As Hudson (2013) and Parker (2010) contended, the quality of the
28
29 mentoring a student teacher receives is key to building the capacity of ITE providers to
30
31 develop high-quality graduating students. Within a social constructivism framework, the
32
33 dual-agentic roles of the mentor and the mentee call for the scaffolding and co-construction
34
35 of learning to occur in a safe and supportive environment (Wang and Odell, 2007).
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41 A key message from this study, which explored student teachers' lived realities of their
42
43 practicum experiences, is that the quality of communication between both parties who hold
44
45 the power of decision-making in regard to entry into the teaching profession (the mentor
46
47 teacher and the ITE provider) needs to be in tune. Critical interrogation of ways to develop
48
49 deep and collaborative partnerships amongst ITE providers, mentor teachers and school
50
51 leaders, which builds stronger understandings of the role of a mentor teacher, is critical.
52
53 Hobson and Malderez (2013) in their research on mentoring in England suggested several
54
55 factors which could improve the effectiveness of mentor teachers. Concurring with these
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57 researchers, we advocate for a national approach to preparation of mentor teachers, not only
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3 in ITE but also internally within schools. For this to occur, mentor teachers need to be
4
5 released from some of their other responsibilities so they can give quality time and reflection
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7 to the critical role of being a mentor.
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10 Additionally, we call for further research into the role of the ITE practicum visiting lecturer
11
12 within New Zealand, who is the conduit between the ITE provider and the mentor teacher.
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15 Similar to the discussion by Zeichner (2010) of teacher educators internationally, in New
16
17 Zealand, some ITE providers outsource practicum visiting lecturers (e.g., recently retired
18
19 principals and teacher education lecturers) who, though very competent and dedicated, may
20
21 have little authority or opportunity to be part of the decision-making processes within teacher
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23 education courses and qualifications. This ‘black spot’ in research within New Zealand will
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25 provide wider understandings on the complexities of effectively supporting all student
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27 teachers.
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Table 1

Profile of student teacher practicums across the three year levels of the three-year degree.

	Number of practicums	Number of weeks on practicum	Days of assuming the role of teacher	Main teaching focus
Year 1, Semester 1	1	2 weeks	0	Observations and small-group teaching
Year 1, Semester 2	1	4 weeks ideally at the same school and with the same mentor teacher as in semester one	At least 3	Group and class teaching
Year 2, Semester 1	0			
Year 2, Semester 2	1	5 weeks	At least 6	Group and class teaching to sequential days in role of teacher
Year 3, Semester 1	1	5 weeks	10–12	Sequential days in teacher role
Year 3, Semester 2	1	5 weeks	13 –15	Sequential days in teacher role

Table 2. Responses (frequencies) to statements by students in the three year groups.

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Chi-Square
1. <i>AT involved me in evaluating practice learning</i>	Year 1	<u>44</u>	22	3	2	0	17.17 p = .028
	Year 2	<u>12</u>	17	<u>5</u>	2	<u>2</u>	
	Year 3	<u>22</u>	<u>29</u>	4	4	1	
2. <i>AT involved me in choosing practice learning goals</i>	Year 1	31	31	7	<u>2</u>	<u>0</u>	13.24 p = .104
	Year 2	<u>8</u>	18	4	<u>6</u>	<u>2</u>	
	Year 3	24	24	5	6	1	
3. <i>Discuss practice learning with AT</i>	Year 1	<u>46</u>	<u>22</u>	3	<u>0</u>	0	13.89 p = .085
	Year 2	<u>14</u>	<u>19</u>	2	<u>2</u>	<u>1</u>	
	Year 3	28	26	4	2	0	
4. <i>Supported by AT during placement</i>	Year 1	<u>56</u>	<u>8</u>	5	<u>1</u>	<u>1</u>	20.27 p = .009
	Year 2	<u>18</u>	9	3	<u>5</u>	3	
	Year 3	36	<u>16</u>	<u>1</u>	3	4	
5. <i>AT a good mentor</i>	Year 1	49	14	6	<u>1</u>	1	7.95 p = .439
	Year 2	<u>17</u>	<u>12</u>	5	2	<u>2</u>	
	Year 3	36	13	7	3	1	
6. <i>Sense of belonging at placement school</i>	Year 1	49	18	<u>4</u>	<u>0</u>	0	16.21 p = .039
	Year 2	<u>17</u>	10	<u>8</u>	<u>2</u>	<u>1</u>	
	Year 3	37	17	4	2	0	
7. <i>Did not feel part of learning community</i>	Year 1	<u>0</u>	<u>0</u>	5	25	<u>41</u>	14.56 p = .068
	Year 2	1	<u>3</u>	<u>7</u>	13	14	
	Year 3	2	3	5	26	24	
8. <i>Felt school staff supported practice learning</i>	Year 1	38	29	<u>4</u>	<u>0</u>	0	20.66 p = .002
	Year 2	<u>11</u>	16	<u>10</u>	1	0	
	Year 3	31	25	<u>2</u>	2	0	
9. <i>Relationship between AT, PPL and myself did not support learning</i>	Year 1	0	<u>1</u>	3	29	<u>38</u>	15.53 p = .050
	Year 2	1	<u>7</u>	1	14	15	
	Year 3	1	5	<u>6</u>	24	24	
10. <i>PPL a good mentor</i>	Year 1	41	25	4	1	0	3.41 p = .906
	Year 2	19	14	4	0	1	
	Year 3	33	20	5	1	1	

Note: Standardised positive residuals (greater than 1) are indicated by a single underline. Negative residuals (less than -1) are indicated by a double underline. Most frequent (modal) responses are bold. Chi-square analysis significant at .05 level are bold, italics-bold are approaching the significance level. AT refers to Associate Teacher (referred to as mentor teacher); PPL refers to Professional Practice Lecturer (referred to as practicum lecturer).

Table 3. Responses (frequencies) to statements by decile of last placement school.

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Chi-Square
<i>1. AT involved me in evaluating practice learning</i>	Decile 1–4	16	14	2	<u>4</u>	1	5.42
	Decile 5–7	25	22	4	2	<u>0</u>	p = .712
	Decile 8–10	35	31	6	2	2	
<i>2. AT involved me in choosing practice learning goals</i>	Decile 1–4	11	17	4	3	<u>2</u>	9.37
	Decile 5–7	24	<u>18</u>	4	<u>7</u>	<u>0</u>	p = .312
	Decile 8–10	27	36	8	<u>4</u>	1	
<i>3. Discuss practice learning with AT</i>	Decile 1–4	18	17	1	1	0	2.80
	Decile 5–7	28	21	3	1	0	p = .946
	Decile 8–10	41	27	5	2	1	
<i>4. Supported by AT during placement</i>	Decile 1–4	24	<u>4</u>	<u>4</u>	3	2	5.51
	Decile 5–7	34	12	2	3	2	p = .702
	Decile 8–10	49	17	3	3	4	
<i>5. AT a good mentor</i>	Decile 1–4	23	7	3	<u>3</u>	1	6.19
	Decile 5–7	28	<u>17</u>	6	1	1	p = .626
	Decile 8–10	48	15	9	2	2	
<i>6. Sense of belonging at placement school</i>	Decile 1–4	24	8	3	1	<u>1</u>	5.64
	Decile 5–7	29	16	7	1	0	p = .687
	Decile 8–10	47	21	6	2	0	
<i>7. Did not feel part of learning community</i>	Decile 1–4	1	1	5	11	19	2.57
	Decile 5–7	1	2	4	23	23	p = .958
	Decile 8–10	1	3	8	30	34	
<i>8. Felt school staff supported practice learning</i>	Decile 1–4	16	14	<u>7</u>	0	0	9.65
	Decile 5–7	24	26	<u>1</u>	<u>2</u>	0	p = .140
	Decile 8–10	37	30	8	1	0	
<i>9. Relationship between AT, PPL and myself did not support learning</i>	Decile 1–4	0	4	3	19	<u>11</u>	5.67
	Decile 5–7	1	3	3	19	27	p = .685
	Decile 8–10	1	6	4	29	36	
<i>10. PPL a good mentor</i>	Decile 1–4	22	12	3	0	0	7.74
	Decile 5–7	25	22	6	0	0	p = .460
	Decile 8–10	43	25	4	<u>2</u>	<u>2</u>	

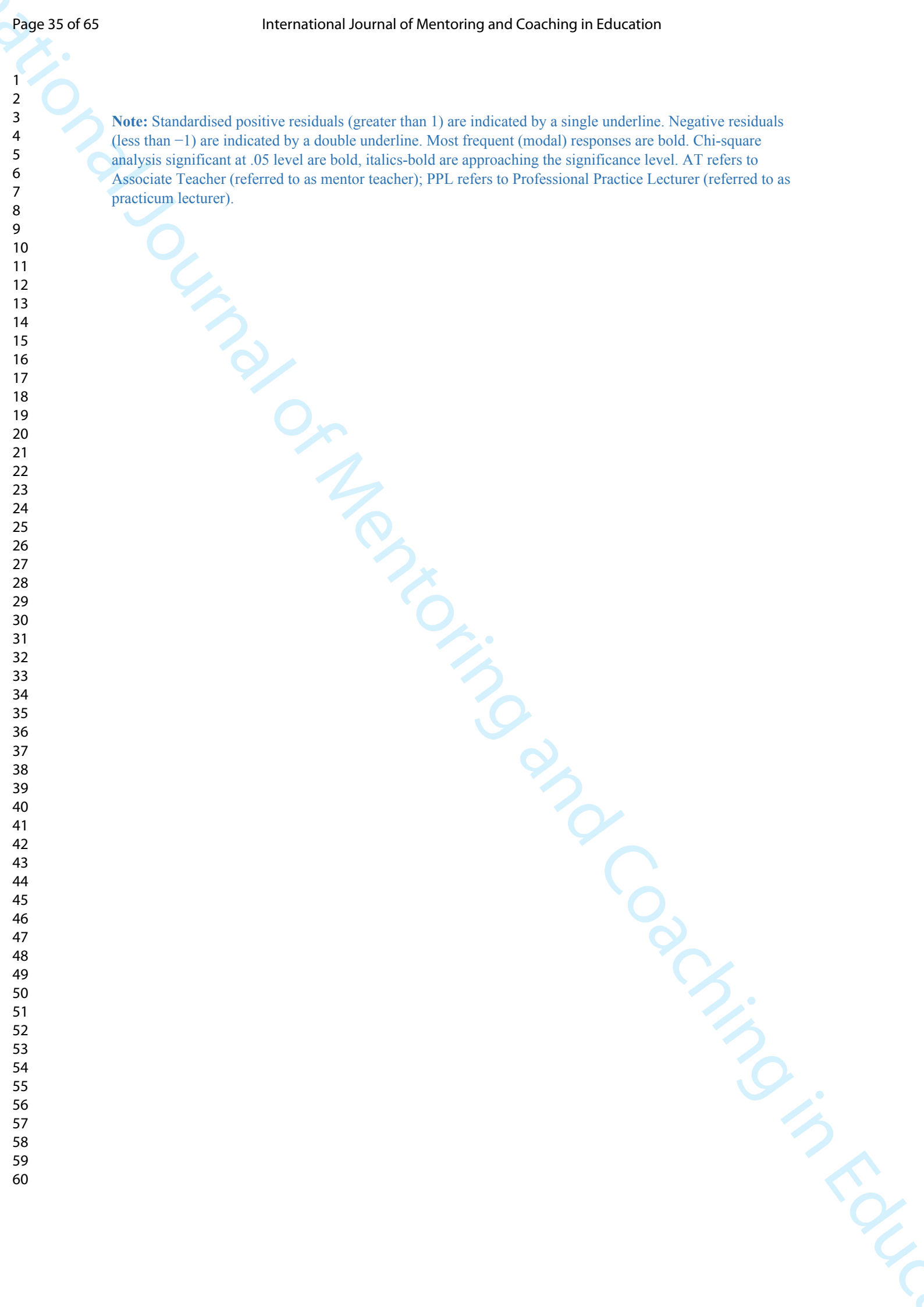
Note: Standardised positive residuals (greater than 1) are indicated by a single underline. Negative residuals (less than -1) are indicated by a double underline. Most frequent (modal) responses are bold. Chi-square analysis significant at .05 level are bold, italics-bold are approaching the significance level. AT refers to Associate Teacher (referred to as mentor teacher); PPL refers to Professional Practice Lecturer (referred to as practicum lecturer).

Table 4. Responses (frequencies) to statements by type of classroom in last placement school.

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Chi-Square
1. AT involved me in evaluating practice learning	Built ILE	<u>32</u>	19	4	<u>1</u>	<u>0</u>	23.25 p = .026
	Mix ILE	<u>11</u>	<u>20</u>	<u>0</u>	1	0	
	Adapt ILE	12	<u>5</u>	<u>3</u>	2	<u>2</u>	
	Traditional	22	24	5	4	1	
2. AT involved me in choosing practice learning goals	Built ILE	21	26	7	<u>2</u>	<u>0</u>	13.46 p = .337
	Mix ILE	12	15	3	2	0	
	Adapt ILE	8	11	1	2	<u>2</u>	
	Traditional	21	21	5	<u>8</u>	1	
3. Discuss practice learning with AT	Built ILE	31	21	4	<u>0</u>	0	20.67 p = .055
	Mix ILE	18	12	1	1	0	
	Adapt ILE	10	9	<u>4</u>	0	<u>1</u>	
	Traditional	28	25	<u>0</u>	<u>3</u>	0	
4. Supported by AT during placement	Built ILE	39	11	3	3	<u>0</u>	24.66 p = .017
	Mix ILE	22	4	<u>4</u>	1	1	
	Adapt ILE	14	3	1	1	<u>5</u>	
	Traditional	34	<u>15</u>	<u>1</u>	4	2	
5. AT a good mentor	Built ILE	37	13	5	1	<u>0</u>	20.84 p = .053
	Mix ILE	21	7	<u>1</u>	2	1	
	Adapt ILE	14	4	2	1	<u>3</u>	
	Traditional	29	15	<u>10</u>	2	<u>0</u>	
6. Sense of belonging at placement school	Built ILE	39	<u>11</u>	<u>3</u>	<u>3</u>	0	15.44 p = .219
	Mix ILE	20	8	<u>4</u>	0	0	
	Adapt ILE	14	6	3	0	<u>1</u>	
	Traditional	29	<u>20</u>	6	1	0	
7. Did not feel part of learning community	Built ILE	1	2	4	17	32	8.46 p = .748
	Mix ILE	0	1	4	13	14	
	Adapt ILE	1	<u>2</u>	3	8	10	
	Traditional	1	1	6	26	22	
8. Felt school staff supported practice learning	Built ILE	29	20	5	<u>2</u>	0	4.31 p = .890
	Mix ILE	14	14	3	1	0	
	Adapt ILE	10	12	2	0	0	
	Traditional	26	24	6	<u>0</u>	0	
9. Relationship between AT, PPL and myself did not support learning	Built ILE	0	3	4	19	30	16.74 p = .160
	Mix ILE	0	2	2	12	16	
	Adapt ILE	<u>2</u>	2	1	11	8	
	Traditional	0	6	3	25	22	
10. PPL a good mentor	Built ILE	34	17	5	0	0	13.42 p = .339
	Mix ILE	20	11	1	0	0	
	Adapt ILE	15	6	1	<u>1</u>	<u>1</u>	
	Traditional	<u>23</u>	25	6	1	1	

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Note: Standardised positive residuals (greater than 1) are indicated by a single underline. Negative residuals (less than -1) are indicated by a double underline. Most frequent (modal) responses are bold. Chi-square analysis significant at .05 level are bold, italics-bold are approaching the significance level. AT refers to Associate Teacher (referred to as mentor teacher); PPL refers to Professional Practice Lecturer (referred to as practicum lecturer).



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3 **Initial teacher education students' perceptions during practicum in primary schools: A**
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5 **New Zealand experience**
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8 **Abstract**
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11 **Purpose**
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14 This paper is about mentoring of initial teacher education (ITE) students whilst on their
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16 practicum.
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19 **Design/methodology/approach**
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22 Informed by a social constructivist theoretical framework, an online survey was used to capture
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24 the breadth of quantitative data and the richness of qualitative responses relating to factors that
25
26 impact student teachers' experiences during practicum.
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30 **Findings**
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33 Quantitative data indicate many student teachers were positive about the practicum, but this
34
35 varied across the type of school in which they were placed. The qualitative data analyses
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37 showed a greater in-depth understanding of the range of issues that impacted how student
38
39 teachers are treated in their role as a mentee by the mentor and the wider school community.
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43 **Originality/value**
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46 This research study repositions the critical nature of effective mentoring of student teachers so
47
48 that mentor teachers and ITE providers can be informed by the voices and lived realities of
49
50 these student teachers. The mentoring relationship needs to be critically interrogated to provide
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52 a more even and supportive 'playing field' for all student teachers.
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Practical implications

Better understanding the experiences of student teachers helps to inform ITE providers of the critical role that mentor teachers play in preparing student teachers. The practical implications are that strategies to develop deep and collaborative partnerships amongst ITE providers, mentor teachers and school leaders, which builds stronger understandings of a mentor teacher's role, are critical in order to support student teachers.

Key words student teachers, primary teaching, mentors, mentees, mentoring, practicum

Paper type Research paper

Introduction

Developing initial teacher education (ITE) programmes that are responsive to the sector's needs, as well as changes to education mandates by ministries of education, can be challenging. In New Zealand, a recent policy shift has led to new ITE programme approval, monitoring and review requirements (Teaching Council of Aotearoa New Zealand Matatū Aotearoa, 2019). Under these new requirements, all current ITE programmes must be approved by the Teaching Council of Aotearoa New Zealand by January 2022. There has been a clear move towards a change in expectations around the kind of practical experience student teachers require, the nature of the mentoring and support student teachers need and the kind of assessments that will demonstrate they meet the required standards. The role of the practical experience has often been described as a critical element of teaching practicum (Bjørndal, 2020; Ellis *et al.*, 2020; Thompson and Schademan, 2019). Another key element is effective mentoring practices that can support both student teacher and mentor learning (Aderibigbe *et al.*, 2018).

In New Zealand, where this study is set, student teachers are required by the Teaching Council of Aotearoa New Zealand to undertake a minimum number of days on practicum

(also referred to as practice learning, professional practice, or placement) with mentor teachers (usually referred to as associate teachers in New Zealand). The mentor teachers provide authentic contexts in today's diverse classrooms and learning environments for student teachers to learn and grow professionally (Darling-Hammond, 2010). During a practicum, student teachers have the opportunity to acquire expertise through observing effective pedagogical practices, interacting with learners, planning and implementing teaching, reflecting upon their teaching, receiving and responding to constructive feedback and constructing a greater sense of themselves as teachers (Bjørndal, 2020). Hence, the social relationships that student teachers construct during the practicums are vital to their personal, cognitive and professional growth (Anderson *et al.*, 2009). These relationships are not just limited to mentor teachers but also include lecturers in their ITE courses, ITE practicum lecturers, other teachers in their placement schools, and children and their families (Anderson *et al.*, 2009; Trevethan, 2017). Often, student teachers are selected by interview into teacher education programmes using criteria which include relevant experiences with children and young adults. The field experiences on practicum can build on these prior experiences and help develop dispositions that student teachers bring from their wealth of life experiences (Lee *et al.*, 2019).

For a student teacher to be in a safe and supportive environment where there is mutual respect, the mentor teacher and the ITE provider must have a shared vision of the goals for the practicum and an understanding of the different roles participants play (Ellis *et al.*, 2020; Garza *et al.*, 2018). Continued and sustained engagement between ITE providers and mentor teachers in an attempt to clarify and understand the nature of purposeful, collaborative mentoring is critical and well evidenced in the literature (see, for example, Aderibigbe *et al.*, 2018; Garza *et al.*, 2018; Zeichner, 2010). This avoids student teachers having to contend with differing expectations (Trevethan, 2017). Learning whilst on practicum can be very

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2
3 challenging for student teachers. Not only do they have to contend with dealing with the very
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5 emotive aspect of learning to teach (see discussion in Shapiro, 2010, about the relationship
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7 between emotion and developing teacher identity), often based around problems of practice
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9 and doubts of their own competence (Bjørndal, 2020), but also they are managing the
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11 tensions and contradictions implicit in their development (Thompson and Schademan, 2019).
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13 The quality of the partnership between the mentor teacher and ITE provider is also critical to
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15 student teacher success or failure (Ellis *et al.*, 2020). Frequently, the student teacher is
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17 required to navigate a path through their practice experience in an attempt to meet the mentor
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19 teacher's expectations within the classroom environment. The stakes are high as the student
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21 teacher requires a positive report from their mentor teacher to progress in their initial teaching
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23 qualification. However, at the same time, they need to balance the mentor teacher's
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25 expectations against the criteria for a pass imposed by the ITE provider. The complexity of
26
27 this mentoring relationship has been described by Thompson and Schademan (2019) who
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29 identified five primary practices that support being an effective mentor teacher. These are
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31 negotiating difference, sharing authority, co-mentoring, coaching in the moment, and deep
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33 immersion in real-world teaching. Therefore, it becomes even more critical that, in
34
35 supporting both mentoring practices and student teachers, the triadic relationship between the
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37 mentor teacher, the ITE provider and the student teacher is framed around the development of
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39 a learning community that is built on collegiality and reciprocity (Le Cornu and Ewing, 2008;
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41 Zeichner, 2010).

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43 Often, research studies have examined practicum during ITE qualifications from the
44
45 perspectives of the ITE providers and mentor teachers (see, for example, Haigh and Ell,
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47 2014; Sewell *et al.*, 2017; Sheridan and Tindall-Ford, 2018; Trevethan, 2017). However,
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49 student teachers' experiences of practicum are varied and challenging. The whole learning
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51 experience can be a very emotive process (Shapiro, 2010) as student teachers try to make
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3 sense of their emerging self-efficacy and teacher identity (Anderson *et al.*, 2009; Bjørndal,
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5 2020), whilst negotiating the complexities of engaging with their mentors (Ellis *et al.*, 2020;
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7 Le Cornu and Ewing, 2008).

10 This study aimed to explore the mentoring experiences of New Zealand primary student
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12 teachers during a recent practicum experience within a three-year bachelor's ITE programme.
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14 The findings from this research will inform teacher educators' understandings of students
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16 teachers' experiences as mentees and the ITE educator's role in supporting mentors' ongoing
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18 professional development (see also Hobson, 2016, for a discussion on the need for more
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20 support in understanding the often highly variable judgemental practices which occur for
21
22 beginning teachers whilst on practicum).
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26 27 **Literature**

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29 Effective mentoring practice is a hallmark of high-quality teacher education programmes
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31 (Black *et al.*, 2016). While student teachers are on practicum, their mentoring can be
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33 conceived of as a dyadic relationship (Aderibigbe *et al.*, 2018). Collaboration between the
34
35 mentor and the mentee is founded on their joint attitudes and values. Indeed, Ellis *et al.*
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37 (2020), in their review of the elements of a quality student teacher mentor, stated that
38
39 successful strategies of mentoring involve collaboration, collegiality, interaction, a reciprocal
40
41 exchange of ideas, and the joint creation of new knowledge and meaning. The importance of
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43 mentor teachers' ability to develop professional relationships, not only with their colleagues
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45 within participatory communities of learning but also with ITE providers, may support the
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47 development of a shared professional identity as teacher educators (Andreasen *et al.*, 2019).
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49 Establishing genuine and authentic partnerships between institutions and schools, where
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51 mentor teachers and ITE providers can create a shared professional identity and have a clear
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53 sense of purpose, has been identified as a key feature of high-quality practice that impacts
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55 outcomes for student teachers (Whatman and MacDonald, 2017). However, implementing
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3 such a community of practice can be challenging. Often, a misunderstanding of the different
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5 ‘knowledge cultures’ of these spaces can lead to issues of mistrust and disagreement
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8 (Andreasen *et al.*, 2019; Ellis *et al.*, 2020; Zeichner, 2010).
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11 The subjectivity of mentor teacher judgements of student teachers may be based on their own
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13 teaching service, ‘gut feelings’ of what type of person fits as a teacher (Ell and Haigh, 2015;
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15 Hobson and Malderez, 2013), stereotypes of what is viewed as normative (Phelan, 2005) and
16
17 mentees’ and mentors’ experiences of ethnicity and accents (see discussion in Maddamsetti,
18
19 2018, about mentor teachers’ roles in building inclusive practices where the cultural and
20
21 linguistic backgrounds of ethnic minority student teachers are acknowledged and accepted).
22
23 Aderibigbe *et al.* (2018), in their research on student teachers and mentor teachers in
24
25 Scotland, found that some student teachers had only a ‘fair relationship’ (p. 61) with their
26
27 mentor teachers, with collaboration not being highly evident. An improvement in this
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29 relationship may increase the reliability of judgements and improve outcomes for teachers.
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35 Mentor teachers are generally intrinsically motivated to commit their own time and support to
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37 a student teacher and share their own knowledge and skills for the next generation of teachers
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39 (Garza *et al.*, 2018). This selfless concern to provide guidance to an emerging teacher can
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41 also enhance a mentee’s development. Garza *et al.* (2018), in their examination of mentors’
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43 conceptualisations of preservice teachers in the United States, found that mentors were open
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45 to new learning which developed their own pedagogical skills and knowledge, and their
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47 leadership experience was a valuable skill that enhanced effective mentoring.
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50 51 ***Teacher education providers and mentor teachers*** 52

53
54 Trevethan (2017) explored the views of mentor teachers and those of teacher educators from
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56 ITE providers in New Zealand. She found an incongruence between the mentor teachers’
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58 perceptions of their mentor role and that presented by the ITE educators. The mentor
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3 teachers' emphasis was on the technical aspects of their mentoring role rather than
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5 transformative aspects of teaching, such as improving children's learning. The
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7 misunderstanding between mentor teachers and teacher educators can exist even when both
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9 parties are committed to supporting reform-minded teaching practice and moving away from
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11 a traditional role of teacher mentoring (Wang and Odell, 2007). In other words, as Hobson
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13 (2016) advocated, mentors need to take advantage of opportunities to further develop
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15 effective mentoring practices. Aderibigbe *et al.* (2018) argued that 'mentoring relationships
16
17 based on joint decision-making are essential not only for effective teaching and learning ...
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19 affirming that teachers and student teachers can learn from each other to further develop their
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21 professional knowledge and skills through the mentoring process' (p. 65). Trevethan (2017)
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23 highlighted the lack of professional development for mentor teachers in their role as high-
24
25 quality mentors. In this research, she found that mentor teachers were left to draw on their
26
27 personal constructions of their own experiences when they were student teachers. These
28
29 findings concur with the recommendations of the Scottish Government in their research on
30
31 improving teacher education and professional learning of practising teachers (Black *et al.*,
32
33 2016). Successful strategies encompassed professional development in mentoring which
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35 resulted in mentor teachers more frequently engaging in professional discussions and more
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37 teachers engaged in professional learning. Aderibigbe *et al.* (2018) provided an argument for
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39 developing a participatory-involved process, where emphasis is placed on mutuality and
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41 voice. Such an approach, that recognises and supports mentor teachers as valued members
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43 within a community of practice where they are appreciated by ITE educators, can not only
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45 improve the self-worth of the mentor teachers but also support the development of their own
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47 teacher educator identity (Andreasen *et al.*, 2019).
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56 In New Zealand, there have been changes to the architectural design of school buildings.

57 These large, open, flexible buildings with multiple teachers (two to six teachers) and larger
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1
2
3 cohorts of students, often referred to as ILEs (innovative learning environments), are
4
5 underpinned by a philosophy where students are encouraged to be self-regulated learners with
6
7 a stronger emphasis on the use of digital technologies (Byers *et al.*, 2018). The move to ILEs
8
9 from traditional, single-teacher classrooms has provided another challenge in the preparation
10
11 of graduating teachers. Recent research (Fletcher and Everatt, 2021) on student teachers'
12
13 perspectives of completing practicums in ILEs found that the more experience student
14
15 teachers have in ILEs, the more positive they are about teaching in these spaces, including the
16
17 wider opportunities for collaboration with their mentor teacher and other teachers situated
18
19 within the multi-teacher ILE.
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23
24 Thompson and Schademan (2019) described how some relationships between universities
25
26 and schools are poor or ineffective as a result of student teachers being required to have more
27
28 of an apprenticeship role, and mentoring practice is therefore limited. Another study
29
30 (Aderibigbe *et al.*, 2018) found student teachers sometimes felt they had collaborative
31
32 experiences whilst on placement, but at other times, they felt like 'outsiders'. They described
33
34 that, at times, collaboration was constrained, thought of as a task by mentor teachers rather
35
36 than a core practice of professional learning. Le Cornu and Ewing (2008) contended that it
37
38 becomes the responsibility of ITE providers to support student teachers' intellectual and
39
40 social capabilities to allow them to responsibly participate within such learning communities.
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44
45 Furthermore, there needs to be more opportunities for co-generative understanding between
46
47 ITE educators and mentor teachers, where mentors and mentees work together with a shared
48
49 understanding of roles and responsibilities during practicum (Aderibigbe *et al.*, 2018;
50
51 Andreassen *et al.*, 2019; Ellis *et al.*, 2020; Garza *et al.*, 2018). When mentor teachers and
52
53 teacher educators develop two-way, sustained dialogue, this can result in the creation of new
54
55 knowledge and learning for student teachers. This would allow for what Zeichner (2010)
56
57 termed the 'third space', which occurs when mentor teachers, student teachers and teacher
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1
2
3 educators work together in ways that illuminate the boundary crossing (the third space)
4
5 between learning on the university campus and on school sites during practicum.
6
7

8 **Theoretical framing**

10
11 This research is framed by an epistemology centred on social constructivism. Learning and
12
13 knowledge are developed by collaborative processes of construction and creation (Ernest,
14
15 1995). Underlying social constructivism are context and culture, which are significant in
16
17 forming deeper learning through internalisation of social interactions (Vygotsky, 1978).
18
19 Gaining knowledge, understanding, and reflecting on ideas of others entail engaging in
20
21 dialogue and open conversations between the mentor and mentee. Social constructivism
22
23 redirects the mentor's role to providing environments where mentees can collaboratively
24
25 construct knowledge and learn to mediate the sociocultural space (Adams, 2006). Implicit is
26
27 the idea of the mentor and mentee being dual agentic in scaffolding and co-constructing
28
29 learning in safe and culturally relevant contexts. When this does not happen, it may result in
30
31 what Hobson and Malderez (2013) described as judgemental mentoring (judgementoring),
32
33 which 'potentially prevents the development of the primary context for learning at this level
34
35 (the trusting and safe relationship), impedes the mentee's development of informed reflective
36
37 practice ... and negatively impacts the mentee's emotional wellbeing' (p. 101).
38
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44
45 The professional relationship between these two key players may comprise two styles of
46
47 mentoring (Wang and Odell, 2007). First, an asymmetric style between a mentor and mentee
48
49 can be based on the mentor's power or expertise which may position the student teacher as a
50
51 visitor within the school, expected to strictly follow the set routines and teaching styles (see
52
53 discussion in Hobson and Malderez, 2013, around the failure of school-based mentoring to
54
55 support effective mentoring practices). On the other hand, a participatory-involved approach
56
57 captures the mutuality and voice within the relationship. Clutterbuck (2004) suggested that
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1
2
3 the learning environment needs to be enabling and empowering for mentees. By working
4
5 collaboratively, the mentor and mentee engage in joint decision-making, with opportunities
6
7 for the mentee to flourish independently during this participatory-involved process
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9
10 (Aderibigbe *et al.*, 2018).
11

12
13 The scaffolding framework provided by the ITE provider's requirements for the student
14
15 teacher whilst on practicum contributes a further dimension, which necessitates a weaving
16
17 together of the mentor teacher's expectations and those of the ITE provider. For student
18
19 teachers, the ubiquitous nature of an effective ITE programme is that learning to teach is a
20
21 collaborative venture between the ITE provider and schools (Mtika *et al.*, 2014). Success in
22
23 navigating the passage between the joint expectations of the mentor teacher and ITE provider
24
25 can be heavily influenced by the sociocultural context within the wider learning environment
26
27 and student teacher's nimbleness to react in a reflective and positive manner to what may be
28
29 differing expectations (Trevethan, 2017).
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33

34 **Research design**

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37 The aim of this study was to gain further insight into the student teachers' mentoring
38
39 experiences during their practicum in one university's ITE three-year bachelor's degree
40
41 programme in New Zealand for qualifying primary school teachers. The research questions
42
43 underlying this investigation were (1) What are the strengths and barriers for student teachers
44
45 when negotiating their experiences on practicum? (2) In what ways does a student teacher
46
47 have to navigate between the mentor teacher and the ITE provider's practicum requirements?
48
49 (3) What factors can influence student teachers' experiences and attitudes towards a
50
51 practicum?
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55
56 The mentoring process located in ITE programmes involves archetypal elements such as
57
58 teacher disposition, effective communication skills and a passion to scaffold student teacher
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1
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3 competence. The differing social dynamics implicit in the role of mentoring student teachers
4
5 in the diverse range of school types acknowledge the complex nature of capturing the
6
7 converging factors that can impact the student teachers' experiences. Such complexity is best
8
9 investigated through multiple research approaches (see discussions in Cohen *et al.*, 2018);
10
11 hence, a mixed methodology was used to gather data in the current study. This provided a
12
13 dichotomous method of inquiry where the primary exploration for meaning came from the
14
15 analysis of the qualitative data, with the analysis of quantitative data being used to support
16
17 the qualitative interpretations (Teddlie and Tashakkori, 2003). An online questionnaire was
18
19 employed to capture the breadth of quantitative data and the richness of qualitative responses
20
21 from student teachers (approximately one third of potential student teachers) across a three-
22
23 year teacher education programme.
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28

29 *New Zealand context*

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31
32 ITE providers in New Zealand traditionally develop, deliver and award qualifications that are
33
34 monitored by a government agency, the Teaching Council of Aotearoa New Zealand, to
35
36 ensure the robustness of the qualifications. In New Zealand, ITE qualifications can
37
38 encompass lectures, online course-specific sites, and workshops. These include quintessential
39
40 content such as theoretical perspectives on teaching and learning, effective pedagogical
41
42 practices, knowledge of the curriculum, child development, bicultural practices and learning
43
44 te reo Māori (the language of Māori who are the Indigenous people of New Zealand), and
45
46 cultural and special needs of all learners. A statutory requirement of gaining a teaching
47
48 qualification in New Zealand is that student teachers experience a set amount of time on a
49
50 practicum, which in a three-year programme is a minimum of 20 weeks of practicum across
51
52 the three years (Whatman and MacDonald, 2017). Table 1 indicates the overall number and
53
54 length of practicums for this ITE provider's programme, the days the student teacher is
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2
3 required to assume the role of a teacher and the main teaching focus during each of these
4
5 practicum.

6
7
8 **Table 1: Profile of student teacher practicums across the three year levels of the three-year**
9 **degree.**

10 [Insert Table 1 about here]

11
12
13 During this time, the student teacher works with a mentor teacher who oversees their day-to-
14 day teaching activities in the placement school. This mentor teacher is a teacher within the
15 placement school and will have information about the practicum's purpose and the
16 opportunity for training on supporting the student teacher. Mentor teachers volunteer for the
17 role and are approved by the school principal who validates the suitability of the teacher to
18 take on the mentoring role.

19
20
21 In addition, an ITE practicum lecturer from the three-year bachelor's degree programme
22 visits the student teacher to observe them teaching during the practicum. The practicum
23 lecturer provides formative and summative assessment of the learning outcomes for the
24 practicum and offers support and mentoring to the student teacher. They liaise with the
25 mentor teacher about the progress of the student teacher in the practicum. Twice during the
26 year, ITE practicum lecturers undertake professional development focusing on topics such as
27 mentoring and dealing with challenging situations. Professional development workshops have
28 been offered to mentor teachers, but these have had varying and often low attendance,
29 possibly due to the intensive nature of teachers' workloads. ITE practicum lecturers have
30 access to the online practicum course site, which includes practicum documents, readings,
31 guidelines and weekly updates. A proportion of practicum lecturers are sourced externally
32 and include retired principals and teacher educators.

Sampling and data collection procedures

For this investigation, criterion sampling (Cohen *et al.*, 2007; Patton, 1990) was used, with student teachers in Years 1, 2 and 3 of the three-year ITE degree invited to complete a questionnaire via their university email. The questionnaire was developed to explore student teachers' views on their experiences on practicum. It comprised questions on the respondent's background, a series of statements about the relationship between the student teacher and their mentor teacher, and open-ended items that allowed respondents to report their own views about their work with their mentor teacher, the support offered, whether they felt part of the wider school community of learning and what opportunities they had to discuss their learning whilst on practicum.

The questionnaire included an introductory section which outlined that participation was voluntary, they could withdraw at any time without penalty and they could skip a question and leave any answer blank by selecting 'prefer not to answer' if they felt uncomfortable with a question. The email was distributed to student teachers soon after completion of their practicum and included a link to a university Qualtrics site where the questionnaire could be completed. This aligned with a time in the academic calendar when there were less demands on student teachers in regard to assignments. Data were collected by one of the authors who was not involved in the design of the degree and did not assess or teach the student teachers; participants were informed of this and were ensured confidentiality of their responses about the practicum. In regard to any risk to the reputations of mentor teachers, as the student teacher responses were anonymous and student teachers were on practicum throughout New Zealand at several hundred different schools, it would be very difficult to identify a mentor teacher with any degree of accuracy.

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2
3 Five items were specifically related to the mentoring support of the student teacher: (1) 'My
4 associate teacher involved me in evaluating my practice learning', (2) 'My associate teacher
5 involved me in choosing my practice learning goals', (3) 'I was able to discuss my practice
6 learning with my associate teacher', (4) 'I felt supported by my associate teacher during my
7 placement', and (5) 'My associate teacher was a good mentor'. Additional items focused on
8 the wider school community and the relationship with the practicum lecturer: 'I felt a sense of
9 belonging at the school during my placement', 'I did not feel part of a learning community on
10 my placement', 'I felt the staff at the school supported my practice learning', 'The
11 relationship between my associate teacher, professional practice lecturer and myself did not
12 support my professional learning', and 'My professional practice lecturer was a good
13 mentor'. Each item was responded to on a 5-point scale, from *strongly agree* to *strongly*
14 *disagree* and a central neutral response. Space for comments about these statements followed
15 the forced-choice responses.

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33 The Qualtrics survey was distributed by email with an explanatory letter to all Years 1, 2 and
34 3 primary degree students after they completed a practicum. The first page asked for
35 informed consent to take part in the study, and about one third of students on the programme
36 indicated consent and completed the questionnaire. Response rates were 71 of 210 students
37 (33% response rate) for Year 1 students, 38 of 170 students (22% response rate) for Year 2
38 students and 60 of 160 students (38% response rate) for Year 3 students. The differing
39 response rates amongst the year levels is potentially indicative of the demands of other
40 courses within the programme at the time of the surveys and the level of engagement in
41 additional work related to their courses. However, it may also relate to feelings about their
42 studies – see the results described below.

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57 Student teachers were asked about their last placement as we assumed that this would be a
58 recent, and therefore their most salient, professional placement experience which would help
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3 with better recall of details and provide an assessment of up-to-date processes in schools.
4

5 Statements about their experiences, therefore, also focused on this last placement. A final
6
7 aspect of schools that we asked the student teachers about was a result of changes that have
8
9 occurred to the structure of schools over recent years in New Zealand, particularly following
10
11 the earthquakes around the city of Christchurch seven to eight years before the current study.
12
13

14
15 The need to rebuild or repair schools has led to the adoption of more flexible school spaces –
16
17 sometimes referred to as ILEs. This experience is likely to be different from the student
18
19 teachers' own school experiences, and we wanted to explore how this affected their views of
20
21 working with a mentor teacher. The multiple teachers in the more flexible classroom space
22
23 may increase collaboration between mentor teacher and student teacher, as well as provide
24
25 opportunities for more discussions with teachers across the school. In contrast, the more
26
27 traditional classroom may allow for more focused support from a mentor teacher and make it
28
29 easier to observe how the student teacher interacts with children in the class.
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33 34 ***Demographics of research participants and practicum contexts*** 35

36
37 In this study, student teachers were predominantly female and aged between 18 and 22 years.
38
39 Information from student teachers who volunteered to take part indicated that the last
40
41 professional placement of the majority was in a state school (87%). Over half of student
42
43 teachers (52%) were placed in a full primary school (Years 1 to 8), although a sizeable group
44
45 were placed in a contributing primary school (39%); a contributing primary school is one that
46
47 covers school Years 1 to 6 only. Most placement schools were in a city (41%) or a town
48
49 (40%). The majority of these schools were decile 6 to 10 schools: only 29% of student
50
51 teachers were placed in decile 1 to 5 schools. Deciles indicate the socioeconomic levels of the
52
53 community around the school, and most schools serve the community within which they are
54
55 placed; hence, deciles are indicative of the socioeconomic background of many children in a
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3 school, with lower deciles indicative of high levels of poverty and deprivation within a
4
5 community. The majority of student teachers were placed in English medium schools, whilst
6
7 21% reported being placed in schools where the teaching was in both English and Māori.
8
9
10 However, placement schools were divided between predominantly New Zealand European
11
12 backgrounds of children (43% of students were placed in such schools) and a more
13
14 multicultural mix of children within the school (54% of students were placed in these
15
16 schools). New Zealand European is the dominant ethnic group (48%) in New Zealand
17
18 schools, with Māori (25%), Asian (14%), Pasifika (10%) and a range of other ethnic
19
20 backgrounds (Ministry of Education, 2021).
21
22
23

24 ***Quantitative***

25 *Data analysis*

26
27
28 The 10 questions of focus (five on the mentor teacher relationship and five related more to
29
30 the school community) were analysed in terms of frequency of responses. These were then
31
32 considered in terms of three variables of interest within the study: the year group of the
33
34 student, the decile of the last placement school and the type of classroom space that was
35
36 typical of the last placement school. Year group was simply based on the three years within
37
38 which the student teacher was studying at the time of the study. Decile was coded as low (1
39
40 to 4), medium (5 to 7) and high (8 to 10) to avoid analyses including small cell sizes. Type of
41
42 classroom space was based on four descriptors: (1) school classrooms, mostly newly built
43
44 ILE spaces though with some adapted ILE spaces, (2) mixed ILE classrooms and traditional
45
46 classrooms in one school, (3) traditional classrooms adapted to ILE spaces (typically
47
48 involving removing dividing walls between single-teacher classrooms), and (4) traditional
49
50 classroom school (typically one teacher per classroom). Tables 2 to 4 show the results of
51
52 comparisons of these three variables on the frequency of responses to the 10 statements; most
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3 frequent (modal) responses are bold. There were some missing responses to Likert items on
4 the questionnaire, but these comprised only one or two missing data points for each question.
5
6

7
8 Frequency tables have the advantage of retaining the data in their original form: that is, the
9 number of respondents for each alternative answer, which allows clearer interpretation of the
10 findings from such a questionnaire. This allows two alternatives to be contrasted by the
11 number of responses to each, rather than transforming responses into numbers and
12 interpreting these transformed data. (A transformation to numbers would lead to odd
13 interpretation about scores such as 3.1 differing from 3.5, and the meaning of these values
14 that fall between response options – this would be particularly problematic around the mid-
15 point of the scale as it is unlikely that a ‘neutral’ response would fall simply at the mid-point
16 between an agree versus disagree response.) Analysing frequencies also maintains the
17 original non-parametric form of the data and avoids problems of violating assumptions of
18 parametric data, particularly when using a questionnaire designed specifically for the purpose
19 of this study. Therefore, appropriate non-parametric analyses were performed (Siegel and
20 Castellan, 1988). For each statement, a χ^2 analysis was performed to look for differences
21 between the year-group levels, deciles and classroom-type variables. Standardised residuals
22 were calculated for each frequency to determine if an observed value was larger (positive
23 residuals greater than 1 indicated by a single underline) or smaller (negative residuals less
24 than -1 indicated by a double underline) than expected based on the distribution of
25 frequencies.
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50 [Tables 2 to 4 about here]
51

52 *Findings and discussion* 53

54 Overall, student teachers’ views were positive about their experiences in their placement
55 school and relationship with their mentor teacher. In terms of the three variables investigated
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1
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3 to determine if they influenced these views, there was little effect of school decile on student
4
5 teachers' views: views were very similar whether the student teacher's last placement was in
6
7 a lower or higher decile school. Given the sometimes-perceived pressures on teachers in
8
9 lower decile schools, this is a notable finding – though, as indicated, fewer lower decile
10
11 schools were included in the data set, possibly indicating that other lower decile schools did
12
13 not feel able to support student teachers because of their workloads.
14
15

16
17 However, in contrast, there was an effect of classroom type on some of the statements. This
18
19 seems to suggest that those who had experienced their last placement in a school with mostly
20
21 built ILE spaces indicated more positive responses about their interactions with their mentor
22
23 teacher and the school. There was also an effect of year group, which seems to suggest less
24
25 positive or more variable responses from student teachers in Year 2 of the programme – an
26
27 effect that may also be associated with the lower response levels of the Year 2 cohort. With
28
29 the highly complex nature of student teacher experiences within the degree programme, we
30
31 are unable to identify specific factors or reasons for this variability. However, it is worth
32
33 noting that in Year 2, student teachers experience only one practicum, and this is in Semester
34
35 2. This aspect warrants further consideration as it might be a specific effect of the timing of
36
37 the practicum or the student teacher experience within the individual schools at that point in
38
39 time. These two effects (of year group and classroom type) seem to be somewhat
40
41 independent: around 20% to 25% of Year 2 student teachers were in each of the four
42
43 classroom types, suggesting that any effect of classroom type was not simply due to a large
44
45 number of Year 2 student teachers experiencing that classroom type as their last placement.
46
47 The slightly more positive statements from those last experiencing a purpose-built ILE school
48
49 may be due to the collaborative nature that these types of classrooms require of teachers.
50
51 Supporting a new student teacher would also require the mentor teacher, and other teachers in
52
53 the group, to work together to support the student teacher. It may be that such classrooms are
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3 ideal spaces in which to develop collaborative teaching skills – though placements in a
4
5 traditional, single-teacher classroom may also be needed for student teachers to experience
6
7 these spaces and the needs of such a classroom.
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9

10 ***Qualitative***

11 *Data analysis*

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17 The design of the research study was driven by the research questions, and this influenced from
18
19 whom the data were collected and how these would be collected and analysed. The analysis
20
21 strategy drew on particular analysis processes used in grounded theory, which included
22
23 open/initial coding, axial coding and selective coding strategies (Charmaz, 2003; Strauss and
24
25 Corbin, 1990). This provided a model of systematic inquiry where the data could be compared.
26
27 The open-ended qualitative responses items were analysed by identifying the initial themes to
28
29 develop coding categories (Fraenkel and Wallen, 2006). Not all students included qualitative
30
31 responses. Following the analyses, axial coding was used to detect any connections between the
32
33 initial coding, such as availability of the mentor teacher to discuss issues with the student teacher
34
35 and the importance of regular feedback. Last, selective coding was used to find the main concepts
36
37 that reappeared on a frequent basis (Charmaz, 2003; Neuman, 2000). The qualitative data
38
39 provided a differing lens to understand the student teachers' contrasting experiences on
40
41 practicum. Two overarching themes emerged: mentoring role of the mentor teacher and the
42
43 community of practice within the placement school. These illustrated the differing aspects that
44
45 impinge on the complexities of providing authentic experiences in the classroom for student
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52 teachers.
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Findings and discussion

1. *Mentoring role of the mentor teacher*

Mentoring is a critical role in the development of a student teacher (Aderibigbe *et al.*, 2018; Trevethan, 2017). Some of the student teachers shared how they experienced mentor teachers who appeared to lack time to give quality support.

Sometimes I felt it was hard to find the time to discuss things with my associate teacher. Teachers are extremely busy people. (Year 1 student teacher)

As my associate teacher was very busy with a lot of things, I sometimes felt that I would go for two to three days at a time without ever having a conversation with her.

In these moments, I sometimes felt a bit isolated and very worried that I would not get the opportunity to gain the teaching and learning experience that I required. (Year 3 student teacher)

Another issue was that some of the mentor teachers did not appear to read and understand the criteria set by the ITE provider that student teachers were expected to accomplish whilst on practicum. This led to feelings of frustration for the student teacher and evidenced a lack of cohesion between the school and university contexts: 'I felt my associate teacher did not have time to watch the briefing videos or read the guidelines provided to support [student teachers]' (Year 2 student teacher).

There appeared to be a disconnect in the 'third space' which can bring together the mentor teachers and ITE educators. This aligns with the concerns expressed by Zeichner (2010) in their rethinking of the connections between practicums and university-based teacher education. Furthermore, being new to the mentoring process was another challenge, as indicated in this student teacher's experience: 'I was my associate teacher's first student

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2
3 teacher ever and they struggled to understand what was required to support me as a student
4
5 teacher' (Year 2 student teacher).
6
7

8 This lack of connection and joint understanding between the university and the mentor
9
10 teachers concur with findings of prior research (see, for example, Trevethan, 2017; Zeichner,
11
12 2010).
13
14

15
16 Other student teachers perceived that discussions with their mentor teacher were around
17
18 general matters of teaching practice but lacked quality opportunities to collaboratively
19
20 unpack the explicit acts of teaching (Hudson, 2013). For example, one student teacher said,
21
22 'The discussion with my associate teacher was always around general practice ... again time
23
24 was a problem, quality time with the associate teacher in class' (Year 1 student teacher).
25
26

27
28 A participatory-involved approach (Wang and Odell, 2007) that captures the mutuality and
29
30 voice within the relationship between the mentor and mentee appeared to be sought by some
31
32 student teachers: 'It is more beneficial to have discussions and observations from the
33
34 associate teacher. We did not use it at all to negotiate my learning' (Year 2 student teacher).
35
36 Similarly, differing styles of mentoring were evidenced, with some mentor teachers using a
37
38 more asymmetric style (Wang and Odell, 2007) where they initially expected the student
39
40 teacher to follow the practices of their mentor teacher:
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42

43
44 My associate teacher was very young (I am in my 40s) and I was her first student.

45
46 Over the five weeks we built a great relationship but it wasn't easy at first. On the first
47
48 day, she introduced me as practising and told the children they would still need to ask
49
50 her the questions. However, by the end of the practice even after my full control time
51
52 finished I was still taking the class while she was able to do testing etc. (Year 3
53
54 student teacher)
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3 There was a range of experiences amongst the student teachers, with several experiencing
4 very supportive and nurturing mentor teachers. For example, this student teacher's comment
5 was similar to many other responses: 'I was extremely fortunate to have a very supportive
6 associate teacher who was experienced and knowledgeable' (Year 3 student teacher).
7
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12 Other student teachers had opposing experiences to their peers:
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15 My associate teacher was not interested in having a student teacher. Other members of
16 staff were supportive. (Year 2 student teacher)
17

18
19 Unmotivated, disinterested associates who don't know how to support a pre-service
20 teacher is the real problem with this course. (Year 3 student teacher)
21
22

23
24 I was often compared to [previous more experienced] students at my school so felt
25 inadequate or pressured to undertake tasks I didn't feel equipped to do. (Year 2
26 student teacher)
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31 Any relationship has two sides, and the perception of one party may not reveal the fuller
32 context which led to these student teachers feeling negative about their mentor support.
33

34
35 Nevertheless, from these students' perspectives, this was their lived reality. These findings
36 align with the call by Zeichner (2010) to address the perennial problem of a lack of explicit
37 and focused connection between the ITE courses and practicum experiences.
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41 42 43 **2. *Community of practice within the placement school*** 44

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46 As a student teacher, professional learning is clearly situated within their community of
47 practice in the wider context of the whole school. The complexity of engaging in the process
48 of learning during practicum means that the development of relationships in this space is a
49 highly valued component of the experience. Student teachers valued those opportunities
50 where they were able to feel more integrated and be part of a team. This student teacher,
51 similar to others, said,
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3 An inspirational part of placement was the syndicate I was in. There were two
4 recently trained teachers, another with high expectations. My associate teacher was
5 trained in the last ten years. Seeing the team working together regularly to plan,
6 support and provide so many opportunities for the children was brilliant. (Year 2
7 student teacher)

8
9
10 Student teachers were very aware of the opportunities provided by such relationships and felt
11 that they could also position themselves as part of the community. Indeed, they saw the
12 benefits of being treated more as an active participant in the relationship:
13

14
15 My associate teacher and the staff made me feel welcome from day one. I also
16 contributed to the successful learning environment by positioning myself as the
17 learner and later stepping up to be the tuakana [Māori word for teacher] in the
18 learning environment. (Year 3 student teacher)

19
20 However, building effective relationships can be challenging. There was not always the level
21 of collaboration between the mentor teacher and other teachers within the school:
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23
24 It was such a shame to be welcomed with open arms by all of the staff ... only to be
25 blindsided by my associate in my final week. Even the principal provided me with a
26 lot of support, but my associate teacher could not do the same. (Year 3 student
27 teacher)

28
29 Student teachers were perceptive to the ways in which other teachers in the school regarded
30 them. Whilst trying to become established within a learning community, student teachers saw
31 a number of challenges. Some student teachers were able to build constructive relationships
32 with the wider school staff, who were willing to work cooperatively with them (Trevethan,
33 2017), whilst others were unable to move beyond 'pseudo-community' (Grossman *et al.*,
34 2001; Le Cornu and Ewing, 2008). This is where a community may have the external facade
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3 of certain shared values and beliefs, but it is not evident when interacting with all staff in a
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5 school.

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8 Only some staff members made me feel welcome. I was mainly ignored by the others.

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10 (Year 2 student teacher)

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12 As opposed to my other placements though, I don't feel a part of the crew. There have
13
14 been no team meetings except for PD [professional development], nothing to do with
15
16 planning or a catch up in the syndicate since I've been there. I hardly see the principal
17
18 with his staff and I feel a bit disconnected. (Year 3 student teacher)

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21 The wider school staff was perceived by the student teachers as another critical part of their
22
23 practicum placement. Although much of the criteria's focus for the assessment of a successful
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25 practicum is the time the student teacher spends with the mentor teacher in the classroom,
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27 part of being an effective teacher is having the opportunity to be a valued member of the
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29 school community. This finding from our study highlights the wider mentoring nature of a
30
31 whole-school community in growing and developing confident and effective emerging
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33 teachers.

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36 For many student teachers, their experiences on practicum evidenced the high calibre of a
37
38 supportive, school-wide community. For example, these two student teachers' comments are
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40 reflective of many others:

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43 I felt very lucky that for my first placement I got such a fantastic school. I felt like I
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45 slotted into the learning community well and I felt a sense of belonging to the
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47 classroom and wider school. (Year 1 student teacher)

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50 My placement school was a community full of support, humour and belonging. I felt
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52 part of the team quickly and I was sad to leave. (Year 3 student teacher)

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55 From a social constructivism perspective, the teacher's role and that of the wider school
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57 community is to provide environments where student teachers can mutually construct
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3 knowledge and mediate the sociocultural space through relationship building and developing
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5 social and emotional skills (Adams, 2006). Practicums are high stakes for student teachers as
6
7 they provide a crucial site for controlling entry into the teaching profession (Haigh and Ell,
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9 2014). Problems in the assessment of practice in the practicum can lead to non-graduation
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11 into the teaching profession. Thus, the challenges faced by the student teachers in this study
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13 corroborated how, in these high-stakes practicum environments, they needed to cautiously
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15 and skilfully navigate the complexities of professional learning with their mentor and other
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17 individuals in their school setting.
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21 22 **Conclusion**

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25 In this study, the student teachers reported a wide range of experiences as mentees whilst on
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27 their practicums. Notwithstanding that the mentor teachers were situated in a wide range of
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29 contexts with differing architectural school buildings, socioeconomic areas, ethnicities and
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31 language mediums of instruction, which provides the variability and richness of becoming a
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33 resilient and flexible teacher, there appears to be explicit factors that impinged on the quality
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35 of the mentoring for some student teachers. Some student teachers reported an apparent lack
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37 of professional commitment by their mentor teacher in their knowledge of the requirements
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39 for the practicum, little time provided for professional dialogue and feedback, and a general
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41 sense of disinterest by some mentors (and in some cases by the wider school community) in
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43 supporting the student teacher. This finding reinforces the call by Hobson (2016) in his
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45 ONSIDE Mentoring framework that advocates for mentoring to be off-line (non-
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47 hierarchical), non-judgemental, supportive of mentee's wellbeing, individualised to the needs
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49 of the mentee, developmental and growth oriented and empowering the mentee to be more
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51 autonomous and agentic. Yet, for many other student teachers, the practicum environment
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53 and quality of mentoring provided opportunities for positive professional growth. Of interest
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55 was that students who had been in an ILE, rather than a traditional, single-teacher classroom,
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3 were more positive about the mentoring relationship with their mentor teacher and the wider
4
5 school community. It may be that in an ILE, developing positive and collaborative
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7 professional and collegial relationships are a prerequisite to developing a generative learning
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9 environment.
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13 This wide variation in the experiences reported by these 210 student teachers aligns with
14
15 findings from Hudson and Hudson (2011) in their research in Australia, which reported
16
17 haphazard mentoring by mentor teachers, lacking in sound theoretical frameworks. Mentor
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19 teachers, as Garza *et al.* (2018) outlined, are intrinsically motivated to provide guidance for
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21 the student teachers and commit time and wisdom to support student teachers. The important
22
23 duality of the ITE educators and the mentor teachers in the 'third space' is an area where
24
25 further collaborative work can be undertaken to enhance the experiences and learnings of
26
27 student teachers. As Hudson (2013) and Parker (2010) contended, the quality of the
28
29 mentoring a student teacher receives is key to building the capacity of ITE providers to
30
31 develop high-quality graduating students. Within a social constructivism framework, the
32
33 dual-agentic roles of the mentor and the mentee call for the scaffolding and co-construction
34
35 of learning to occur in a safe and supportive environment (Wang and Odell, 2007).
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41 A key message from this study, which explored student teachers' lived realities of their
42
43 practicum experiences, is that the quality of communication between both parties who hold
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45 the power of decision-making in regard to entry into the teaching profession (the mentor
46
47 teacher and the ITE provider) needs to be in tune. Critical interrogation of ways to develop
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49 deep and collaborative partnerships amongst ITE providers, mentor teachers and school
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51 leaders, which builds stronger understandings of the role of a mentor teacher, is critical.
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53 Hobson and Malderez (2013) in their research on mentoring in England suggested several
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55 factors which could improve the effectiveness of mentor teachers. Concurring with these
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57 researchers, we advocate for a national approach to preparation of mentor teachers, not only
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3 in ITE but also internally within schools. For this to occur, mentor teachers need to be
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5 released from some of their other responsibilities so they can give quality time and reflection
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7 to the critical role of being a mentor.
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10 Additionally, we call for further research into the role of the ITE practicum visiting lecturer
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12 within New Zealand, who is the conduit between the ITE provider and the mentor teacher.
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15 Similar to the discussion by Zeichner (2010) of teacher educators internationally, in New
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17 Zealand, some ITE providers outsource practicum visiting lecturers (e.g., recently retired
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19 principals and teacher education lecturers) who, though very competent and dedicated, may
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21 have little authority or opportunity to be part of the decision-making processes within teacher
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23 education courses and qualifications. This ‘black spot’ in research within New Zealand will
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25 provide wider understandings on the complexities of effectively supporting all student
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27 teachers.
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