

2011

Factors that Encourage Student Engagement: Insights from a Case Study of 'First Time' Students in a New Zealand University.

Barbara Russell

Massey University, brmjr@globe.net.nz

Gloria R L Slater

Massey University, G.R.Slater@massey.ac.nz

Follow this and additional works at: <https://ro.uow.edu.au/jutlp>

Recommended Citation

Russell, Barbara and Slater, Gloria R L, Factors that Encourage Student Engagement: Insights from a Case Study of 'First Time' Students in a New Zealand University., *Journal of University Teaching & Learning Practice*, 8(1), 2011.

Available at: <https://ro.uow.edu.au/jutlp/vol8/iss1/7>

Factors that Encourage Student Engagement: Insights from a Case Study of 'First Time' Students in a New Zealand University.

Abstract

This case study reports on the findings from one of nine tertiary institutions that took part in a project funded by the Teaching and Learning Research Initiative (TLRI) in New Zealand. The research question explored how institutional and non institutional learning environments influence student engagement with learning in a higher education, university setting. Data was collected initially by means of a questionnaire; subsequently more in-depth data was gathered through semi-structured interviews with students randomly selected from those who indicated, on the questionnaire, that they were willing to be interviewed. Respondents were enrolled for the first time in this institution, but not necessarily for the first time in a tertiary education programme. A conceptual model with four strands: motivation and agency; transactional engagement; institutional support and active citizenship was used to organise the data. Findings were analysed against a synthesis of current literature and suggest that factors identified in the first three strands of the conceptual model played a significant role in student engagement with learning; active citizenship, however, did not feature highly in student responses and is an aspect of engagement that could benefit from further research.

Keywords

student engagement; higher education; first year experience; active citizenship

Introduction

There have been a considerable number of studies that examine the experiences of students in tertiary institutions. During a decade of high attrition rates these experiences and especially student perceptions of their time studying have been of particular interest to policy makers and practitioners alike (Tertiary Education Commission, 2005, 2009). Many studies have focussed on the first year experience with the aim of identifying factors that students perceive as contributing to persistence and motivation (Zepke & Leach, 2005) and which are likely to lead to engagement with their chosen programme. 'Engagement' has, therefore, become a term frequently used to describe a compendium of behaviours characterising students who are said to be more involved with their university community than their 'less engaged' peers (Krause, 2005) with the assumption that such engagement involves 'activities and conditions likely to generate high quality learning' (The Australian Council of Educational Research, 2008 pg 6). This paper examines the perceptions of a group of students enrolled for the first time in a university. It identifies factors students consider to have increased or reduced engagement in their programme of study and relates these perceptions to a synthesis of current literature in the field. Research suggests that while student engagement is a complex construct, not easily defined, it can nevertheless be a useful mechanism for interpreting the relationship between students and institutions and the qualities and dynamics of attending university (Coates, 2006).

Literature Review

Research approaches 'engagement' from different perspectives with both qualitative and quantitative research called for in order that in depth understanding of reasons for engagement might be established (Krause and Coates, 2008). After an extensive analysis of current 'engagement' literature, (Zepke et al., 2009), Zepke and Leach (2008) developed a conceptual framework (Table 1) with two features; one identifying four main strands from the engagement literature and the other identifying indicators that relate to these strands.

Table 1. A conceptual framework for student engagement.

Strands of engagement	Chosen indicators
<u>Motivation and agency</u> Engaged students are intrinsically motivated and want to exercise their agency	<i>A learner feels able to work autonomously</i> <i>A learner feels they have a relationship with others</i> <i>A learner feels competent to achieve success</i>
<u>Transactional engagement</u> Learners and teachers engage with each other	<i>Students experience academic challenge</i> <i>Learning is active and collaborative in and out of the classroom</i> <i>Students and teachers interact constructively</i> <i>Students have enriching educational experiences</i>
<u>Institutional support</u> Institutions provide an environment conducive to learning	<i>There is a strong focus on student success</i> <i>There are high expectations of students</i> <i>There is investment in a variety of support services</i> <i>Diversity is valued</i> <i>Institutions continuously improve</i>
<u>Active citizenship</u> Students and institutions work together to enable challenges to	<i>Students are able to make legitimate knowledge claims</i> <i>Students can engage effectively with others including the 'other'</i>

social beliefs and practices	<i>Students are able to live successfully in the world</i> <i>Students have a firm sense of themselves</i> <i>Learning is participatory, dialogic, active and critical</i>
------------------------------	--

Strand One: Motivation and Agency

Motivation is considered a key factor in students’ level of interaction with their studies and perceptions of self-efficacy. Self-determination theory (SDT) maintains that a consideration of innate psychological needs, for example for competence, autonomy, and relatedness, is important in understanding human motivation. Environments that provide satisfaction of these basic needs are said to encourage natural growth processes including intrinsically motivated behaviour. Situations where these needs are not met are associated with poorer motivation, performance and well-being (Deci & Ryan 2000). Fazey and Fazey (2001) suggest that students arrive at university with the potential to be autonomous in their learning and argue that it is the responsibility of those who organise the learning environment to nurture this potential if the autonomous behaviour is to be realised.

Feeling competent is also a basic human need (Deci & Ryan 2000); the desire to acquire mastery and to display competence is likely to be a strong motivator in the learning situation (Taylor, 2008). Consequently it is important for university staff to offer beginning students opportunities to increase their perceptions of their academic competence at an early stage in their studies (Fazey and Fazey, 2001). Another aspect of students’ physiological need for competence is the ability to feel competent to achieve their goals. In order to meet this need Yorke (2006) suggests that many students engage in what he calls a process of ‘satisficing’, they make choices in their study that will allow them to achieve their goals. A satisficing learner comes close to being a strategic learner or ‘cue-seeker’ (Salyo, 1975) – one that may adopt both deep learning and surface learning strategies in order to achieve performance goals and learning goals.

A third indicator identified in the conceptual framework (Zepke & Leach 2008) is that of ‘belonging’, a concept akin to what Tinto (1987, 1993) called social integration. Deci and Ryan (2000) suggest that the need for relatedness is innate and reflects a deep design feature of social organisms that is part of social functioning. They believe that where the learning circumstances are optimal the needs for autonomy and relatedness are complementary but where the circumstances are less than optimal at times “the need for relatedness can compete or conflict with ...the need for autonomy” (Deci and Ryan, 2000,pg 253). Calder (2004) found that first time students were more likely to feel they belonged in an educational institution where specific strategies to encourage positive peer, mentor and lecturer interactions existed.

Strand Two: Transactional engagement

The relationship between students and teachers is an important lens through which to view student engagement. Umbach & Wawrzynski, (2005) found that teacher’s beliefs and attitudes had a significant effect upon the learning environment they created. In the American National Survey of Student Engagement (NSSE) Kuh and others found that effective teaching and institutional support enhanced student engagement (Kuh & Hu 2002; Kuh 2001) as do good student/teacher relationships (The Community College Survey of Student Engagement (CCSSE); the Australasian University Survey of Student Engagement (AUSSE)). The relationship students develop with their teachers is thus a significant theme in the literature; when teachers are enthusiastic, well prepared, approachable and have positive beliefs and attitudes towards learning their interactions with

students tend to be supportive and positive relationships develop (Mearns, Meyer and Bharadwaj, 2007; Umbach & Wawrzynski, 2005).

Affective and cooperative learning relationships among students are also important both in students' perceptions of belonging and in promoting effective learning. Some studies (Calder, 2004; Moran, & Gonyea 2003) have examined the role of cooperative or collaborative learning in encouraging deep rather than surface learning and positive inter-student relationships have been shown to promote motivation, increase feelings of self-efficacy and encourage persistence (Farrell & Farrell, 2008; Russell, 2007; Moran & Gonyea, 2003).

Strand Three: Institutional support

The experiences students have during their first year in a particular educational environment shape their perceptions of that environment with student engagement more likely where the institution is supportive of new students, and has an effective organisational culture (Pittaway & Moss, 2006; Reason, Terenzini & Domingo, 2006). Such a culture would welcome and respect students from diverse backgrounds, provide a wide range of appropriate support services and be willing to adapt to the changing needs of students (Porter, 2006; McInnis, 2003; Yorke, 2006). Policies and practices used to enhance student engagement, in diverse institutions, are likely to show benefits to student learning and educational effectiveness when appropriate support structures are provided (Kuh et al, 2005; Kuh and Gonyea, 2003).

Strand Four: Active Citizenship

Kezar and Kinzie (2006), in examining the role of 'mission' in student engagement, suggest that educational institutions that acknowledge and foster active citizenship qualities in their students demonstrate a positive relationship between the institution's sense of mission and the enriching experiences and level of educational challenge provided. Zepke and Leach (2008) suggest that that active citizenship involves the ability to challenge social beliefs and practices. It can be argued that students, who demonstrate legitimate knowledge, engage effectively with others and live successfully in the world, might be said to be active citizens; such students are likely to have a positive self image and demonstrate considerable efficacy in their approach to learning. All of the interviewed students showed such elements to a greater or lesser extent.

Yorke (2006) argues that self-belief, efficacy and appropriate personal qualities together with the metacognitive attributes of thinking, learning and problem solving are probably the most important features of engagement. A strong sense of self is also identified as an indicator. Barnett and Coate (2005) argue that active engagement goes beyond 'operational' to 'ontological' engagement – a deep, personal and inner involvement in learning - while Butler-Kisber & Portelli (2003) suggest that a 'critical-transformative' perspective engages students through a challenge to rethink experiences in the interest of creating a more just and democratic community. Students, they say, need to be in communities that actively encourage power sharing for when they feel their voice is heard disengagement diminishes.

Method

This paper considers data on student engagement gathered from students in a large university. It is part of a wider study of student engagement undertaken over the entire tertiary (or post-compulsory) education sector in New Zealand. The research project is funded by the Teaching

and Learning Research Initiative programme (TLRI, 2009) and is taking place over three years. Nine post-school institutions were selected to represent differences of institutional approach, method of programme delivery, size and ethnicity of student population and geographical location. As well as the analysis of the findings of the project as a whole, each of these institutions carried out a 'case study' based on data gathered in that institution. Both qualitative and quantitative data has been collected to enhance reliability (Krause & Coates 2008).

The project involved four phases:

- An extensive review and synthesis of literature;
- A survey of tertiary students by questionnaire;
- Interviews with selected students to elaborate on key findings identified in the student survey.
- A survey of tertiary teachers in these settings to identify their approaches to achieving student engagement.

For analysis and comparison purposes, each of the nine institutions in the survey will produce a case study based on the data from their own institution. This case study, focussed specifically on a higher education context, represents a 'vertical study' (Walker, 1980) within the larger project, it focuses on data from the first three phases above or essentially on the learner perspective.

Phase 1 involved the extensive study of the literature referred to above.

Phase 2 was carried out through a questionnaire distributed either online or as a paper copy, to a sample of first time enrolled students, representative of gender, age and ethnicity at each institution. The questionnaire (available on request) contained five sections, the first four with Likert scales, approximately relating to the strands of engagement conceptualised by Zepke and Leach (2008) and one detailing demographics. Question one relating to motivation and agency, used twenty-four items divided into three clusters: competence, agency and belonging. Question Two used twenty-six items relating to transactional engagement and surveyed teacher and student interactions with a sub scale asking how well these interactions were carried out. Question Three had twelve items relating to social and environmental factors and a sub scale surveying how these factors were perceived to affect students' success. Question Four had ten items relating to autonomy, democratic engagement and social interaction. For the project as a whole a total of 1246 responses were received, a response rate of 14.5% which is comparable to the 14.2% achieved by the 2007 AUSSE survey.

As Phase 3 of the study interviews were conducted, either on campus or by telephone, with ten students chosen randomly from those who had volunteered. Interviews were semi-structured, with predominantly open-ended questions, based initially on collated questionnaire responses but allowing the interviewer to ask further questions to clarify points made by the participants. Interviewees were also encouraged to add further information they felt relevant. Interviews lasted twenty to forty minutes. The ten interviewees included seven, who were non-traditional age, extramural students including two who had already gained a tertiary qualification elsewhere. Three interviewees were under twenty and were internal students.

Analysis of questionnaire data was carried out by a statistician and further reviewed by the researchers. Interview transcriptions were analysed item by item to identify statements that

illustrated students' perceptions of factors relating to their engagement in their studies. These comments were then further examined to see how they related to the conceptual framework of student engagement suggested by Zepke and Leach (2008).

From this university 173 students responded to the questionnaire. Respondents were asked to indicate if they were willing to take part in a follow up interview. In the following discussion where the term student/s is used it refers specifically to those students in this institution, who responded to the questionnaire and those who were interviewed. Percentages used relate to the 173 students who responded to the questionnaire. For analytical purposes responses of 'very important' and 'important' are combined; similarly, where applicable, responses of 'little' and 'no' importance are also combined. However, another category, 'not applicable', when used, was analysed separately again. Interviewees have been indicated numerically to preserve anonymity.

Finally, ideas from the literature were combined with insights from both the survey and interview data to develop an integrated picture within this framework. It must be acknowledged that the 14% response rate from the questionnaire for this case study is disappointingly low. As a result no definitive conclusions can be drawn; however the analysis of data from all three phases, limited though it is, has provided some useful insights that are worthy of reporting and perhaps of investigating in future studies. At the very least they provide points of discussion and debate around this currently important concept.

Results and Discussion

In order to draw insights from the study the three sources of collected data have been analysed by employing the four strands of the conceptual framework developed by Zepke & Leach (2008, Table One). This conceptual framework is also used to structure the discussion.

Strand one: Motivation and Agency

Self determination, the ability to work autonomously, to feel competent is strongly linked to motivation and agency (Deci & Ryan 2000). Question one in the survey asked students to respond to twenty-four items rating how they perceived each of these as impacting on their engagement with their studies. Unsurprisingly, responses suggest that students value the ability to act for themselves in effecting their learning/studies. Ten statements received high ratings (above 80%) all related either to competency or agency. Almost all students (99%) responded that knowing how to achieve their goals was important to them. Having high standards, being responsible for their learning and knowing how to apply learning also rated highly as motivational factors. The interviews confirmed this data:

I make sure I go and do what I have to do... I don't allow interruptions...we actually moved so I wouldn't be interrupted (2)

This student perceived herself as highly capable, highly motivated and was prepared to remove herself from an environment with too many extended family distractions. Another compared her situation at university with that of being in high school (from which she had dropped out) suggesting that now

everything is under my control...everything is up to me, I'm not going to get hounded for something I am not doing, and in a way it motivates me (6).

For one of the interviewees financial cost provided the impetus needed to take control of her learning and for it to benefit her in her work situation *"If I'm going to spend this money, I might as well make the most of it and get as much out of it as I can and relate it back to work"* (9).

'Belonging' or relatedness is an important aspect or indicator of motivation (Deci & Ryan, 2000; Zepke & Leach 2008). Four of the five statements in the group of items that received between 70% - 80% of responses related to belonging suggesting that for these students 'belonging' while still important, is less important to their success than autonomy and competence. Statements linked to belonging that were rated more highly than others had more to do with being valued (80%) and feeling accepted (79%) rather than, for example, with working cooperatively with other students. Interviews suggested that sometimes respondents were not sure why they felt they belonged, just that they did.

I haven't got the ...T shirt and all that but it's good, I feel part of it and I can't explain why" (3) I feel very much part of [the university]. I tell people I go to... [this university] and the lecturers have been really good...I get emails from [the university] telling me what is going on. (6)

Interestingly, in the interviews, while most respondents saw competence and autonomy as important they only referred to these indicators briefly or by inference. In contrast most respondents talked at some length about the importance of belonging. It may be that this different emphasis arose as a result of students being more able to elaborate upon personal affective responses in a one to one interview than when merely allocating ratings.

Most interviewees spoke affirmatively about working in groups but some suggested that this was most beneficial when the members had things in common such as similar ages, interests or ability.

Working together on a task is ...up there on a 9.9 out of 10 scale' (4) 'I study a lot in groups...Having someone to bounce ideas off... so you are not just looking at yourself and your ideas (7).

However some also expressed negative perceptions of working in a cooperative or collaborative group when such a group was selected arbitrarily by a lecturer rather than by personal choice:

we have been made to work in groups ... but you don't select them yourself...you end up working with people you wouldn't ordinarily have chosen...we just sat there ...and I would be the one talking...I would have been gone in a flash if we could have swapped (6)

For distance students working with others was not usually an option, although some indicated that they had attended contact courses; of these, most felt that such courses had been supportive of their learning due to interactions with staff and other students. In some instances online 'learning groups' of students had developed from these courses. Informal 'buddy' pairs or groups initiated by the students themselves were also highly valued:

we discuss everything. I know people's life stories... A lot of people I'm talking to are grandparents... you can see how they have been learning for the last twenty years and you get tips from them and how they approach their learning (6).

Strand two: Transactional engagement

Question two on the questionnaire listed twenty-six statements relating to transactional relationships; students were asked to rate each statement in terms of its importance to them. Of the twelve statements ranked above 90% seven include teacher attributes. Students, for example, rate both prompt teacher feedback and feedback that improves learning as being highly important (both 97%). Teacher enthusiasm (95%) and availability (94%) are also highly rated, as are having access to necessary resources (96%), challenging content (92%) and being able to apply what they are learning in practice (90%). These results would support findings (Mearns, Meyer & Bharadwaj 2007; Umbach & Wawrzynski, 2005; Kuh & Hu 2002; Kuh 2001) that students perceive transactional engagement as a significant factor in effective learning and engagement. However the results suggest that, for this institution, students are somewhat less satisfied with how well these things are being done; only teacher enthusiasm (91%) and being challenged in their learning (88%) come close to matching student expectations. It may be that the number of distance students who responded to the questionnaire influenced the discrepancy between these results as such students would only have opportunities to relate to teachers and other students face-to-face if their programme of study included a contact course. For the distance students interviewed, contact courses when available were useful in meeting lecturers face to face and most indicated that such courses were a positive experience. A distance student who had already gained an engineering degree, for example, found the contact course

... absolutely brilliant as an extramural student... to get the lecturing that we received was really good' (3). Another said 'The contact course I found brilliant ...the whole delivery was wonderful, the explanation of policy and theory was really helpful (8).

Being able to contact lecturers, particularly online, was also helpful,

If I had any problems I could email him or ask him after class and he was very willing to answer questions" (10) "A lecturer ...would put on their website the class notes that she had for the internal studentsso we had a bit more feedback to work on. You could interact without meeting them.... all the lecturers this year have been positive in comments on the website, in discussion pages and chat rooms."(9).

As transactional relationships are identified as one of the major themes affecting student engagement (Zepke & Leach 2008) it is not surprising that compensating for this potential deficit in distance study can be a challenge. Certainly at this university the emphasis on online learning development has been one of the 'solutions' frequently endorsed by the interviewees.

Interviews yielded further information affirming the importance of student/lecturer relationships, both positive and negative!

I would always have at the back of my mind that you couldn't speak frankly because of the effect at the end of the day when you are having assessments (1)

In response to a statement relating to what teachers do to help students learn two responses were "giving preparatory material and apart from that not a lot." and "over and above the block course very little apart from having a forum on the internet"(4)

However others found their lecturers very approachable and the feedback useful and affirming

On one of my papers the marker is awesome, they give me the best feedback ...it can be harsh but it can also be, well you have done this right ... and so for the following assignments I get better and better (6).

However, when one experienced student could not contact lecturers when she urgently needed help, the frustration and distress was evident in her comments. It was clear that this disjunction in the student/lecturer relationship was sabotaging her previously established confidence and motivation to the extent that, had she been a less experienced student, she would already have been 'lost' to university education. This student's experience reinforces the critical importance of transactional engagement, especially between teachers and learners, even when those learners are apparently autonomous, competent and highly motivated.

Strand three: Institutional support

This research suggests that to aid retention and encourage a sense of 'belonging' there is a need for tertiary institutions to provide adequate learning support and pastoral care. A number of questions throughout the questionnaire and interviews asked students how important they considered the institutional support offered by the university to be and how well such support was carried out.

While Q1 focused mainly on motivation and agency some statements, with an organisational focus such as, 'feeling I belong here' 'knowing how the systems work', 'knowing where to get help', knowing how to 'use the library' or 'access learning support' and 'joining in social occasions', elicited information about what areas of institutional support might be valued by students. Supports that could be said to directly relate to learning (Library, learning support, 'systems', and getting 'help') were all rated highly (80%-96%).

Belongingness, was considered of slightly less importance (76%) and 'joining in social occasions' was valued by fewer than half the respondents (36%). Clearly students want to know about the

core support systems a university provides (implying also that they support this provision) but are less concerned with aspects perhaps seen as more peripheral.

A group of statements relating directly institutional support mechanisms also were included in Q2. Respondents were asked how important they perceived these to be and also how well the university is seen as achieving these mechanisms. Here, support related directly to learning itself and with encouraging familiarity with 'systems', seems to be most valued. Most students felt the university either did 'very well' or 'quite well' in providing these support systems but statements were not rated as highly as those relating to the importance of these systems. For example 96% valued 'having access to the learning resources needed' but only 81% perceived it as done well. 'Knowing how to contact people to get help' received a 92% rating but only achieved 80% in terms of being done well. It is difficult to know what to make of such figures – are students expressing real disappointments in service or is there a 'natural' tendency to rate service lower than importance. Does being asked the question highlight an awareness of a discrepancy between importance and achievement? Alternatively the relative closeness of the two figures may reflect the fact that the respondents are students who have been 'retained' and so have probably found their way around the system. Such discrepancies provide a first step in alerting us to potential gaps, issues and other problems; the questionnaire data analysed against literature information also provided the basis for exploring further.

Responses from Q2 further suggested that these students placed little value on organised university activities. Given the importance placed on organisational support in the literature (Kuh & Hu 2002; Kuh 2001) this was surprising. Probing further in the interviews, however, gave some important insights and possible explanations. The interviewees were mostly part-time, distance students and older than the 'traditional' school leaver; they represent a significant 'voice' in the 'lifelong learning' context, especially at this university. The stereotype of the hard-partying and socialising first year student certainly was not borne out by this group, even among the younger ones. For all of them 'time management' was a central issue. For the older students, family and work commitments had to be balanced carefully but even for the younger students, study was no longer the only priority as many now need to work part-time. The choice to access formal support services, such as study skills tuition involves an investment of time that has to be weighed against other priorities. In these circumstances it is not surprising that extra support services receive so little endorsement.

The use of acronyms was identified by some interviewees, as creating problems in locating relevant services; others suggested that they could live without university provided facilities but when lecturer support was not forthcoming when needed they perceived their studies to be seriously undermined. One interviewee (2), who had tried in vain to get help from teaching staff, expressed this strongly:

I have tried the support staff, the support through the department, support through 'learning services' which has been beneficial to a certain degree but because I'm part Maori, I went through the Maori support services and they were much more helpful but again its limited because you are dealing with staff who are not in... [this]...field, so they can't necessarily relate to your topic....

The nature and impact of external factors on student engagement was addressed in Q3; so statements were less directly related to the institutional support theme although the responses do

provide insights into which areas of support might be most fruitful to address. Most students have family support (89%) with relatively high family expectations of them (74%) and 89% also agree that they organise themselves to 'succeed in my study'. While less than 50% rated clubs, friends, health, religion, 'cultural commitments' and 'bosses' as highly important about half (53%) admit to social activities interfering in their studies. Finances' (55%) and 'work commitments' (51%) make it hard for some to engage fully in their study. While there is a lower correlation with these as to how much respondents perceive they affect study success (39%, 51% and 43% respectively) these are, nevertheless, areas in which institutional support/advice might be needed beyond what is currently provided. A useful insight came from an interviewee, enjoying a funded year from a government agency to enable her to study after having had to leave school prematurely through pregnancy –

this year has been a total free-ride that has helped my motivation. So I've had a full year to build up my confidence, so next year even though I will have a student loan, it won't be such a big deal. (6)

While organised activities may not be particularly valued by students, then, we perhaps should not underestimate the effect of real practical support on students' ability to fully engage actively in their studies.

Finally, in Question Four, respondents were asked how often they undertook certain activities and how important these were for them. Somewhat surprisingly, a fairly high percentage indicated that they never attended 'cultural' (81%), 'sporting' (73%) and 'social' (60%), events run by this institution. They do, however, 'make social contacts with other students' at least once a month (68%) with two-thirds of these at least once a day. Moreover while organised activities have low importance or are even seen as 'not applicable' by many, this informal contact with other students, which might include everything from chatting, sharing coffee or going out to parties, is not only frequent but also valued by most. It seems, then, that organised social occasions have little value compared with informal activities.

It is interesting to note that 77% of students 'actively seek help' at least once a month. While this is likely to include help from lecturers on particular learning matters, it does signal, perhaps, that institutional learning support may also still be welcomed, especially as 74% also rank 'seeking help' as important – but knowing how to access this support is sometimes problematic; a graduate 'first timer' in this institution felt that poor support structures at the university could be a factor in the dropout rates of students who were struggling.

I am a high achiever, I am a capable student, I have significant strategies but this year has just about killed me, I would hate to be a struggling student in the ... extramural system. (2).

An area of support, valued by a number of interview participants, was the nationally organised society for distance students. This organisation provides a number of services such as textbook sales, shared travel, a newsletter, study skills workshops and networks around the country. This 'service' was often identified as valued 'institutional support' in contrast to that provided by the university itself. Essential services directly related to learning, such as the library and online

learning, as opposed to 'pastoral care' services, also received positive endorsement. This insight affirms what the survey suggested, that services as part of courses and directly related to learning, as well as 'self-initiated' (and thus 'controlled') activities were more valued than those provided by the "kind of very off-putting [university] bureaucracy" (3).

Strand four: Active citizenship

During the review and synthesis of the research literature relevant to this study an unanticipated theme emerged around the area identified as 'active citizenship'. For universities in particular, this theme, relating to the advanced critical and innovative attributes our graduates are expected to exhibit, represents a primary focus that is not addressed adequately with the other themes. Yet citizenship is a concept that provides an insight into what can be gained from engagement with learning. Kezar and Kinzie (2006) suggest that educational institutions that acknowledge and foster active citizenship qualities in their students demonstrate a positive relationship between the institution's sense of mission and the enriching experiences and level of educational challenge provided.

Although they had to be distilled from the other topics there were a number of statements that could be said to relate to the notion of 'active citizenship' and how important this is perceived to be by first time enrollees. Encouragingly, given the number of younger students, most students rate 'citizenship' factors such as 'knowing how to apply learning', 'drawing attention to what needs changing', 'being challenged in learning' and 'talking to others with different views' as important, though not perhaps at the advanced levels we might want, and expect to see, by graduation. Questions that had a likely 'citizenship' flavour, such as: 'I question teachers' and 'I take a leadership role' deserve unpacking further. While two-thirds of the students in this survey question (and value questioning) teachers at least once a month, just what form this takes is, of course, difficult to ascertain from a questionnaire. It could mean just clarifying something rather than the challenging of ideas. Certainly in the interviews students appeared most focussed on the pragmatic aspects of applying learning to work and 'life' situations although one student studying for 'personal development' clearly revelled in opportunities where

every corner you turn there is something. It's interesting, something valid; something controversial – it gets you thinking..." (3) and another, "I'm learning stuff that I just didn't think about. You just do stuff day to day and don't realise why you are doing it" (1) while another suggested that, it was important "just having someone there to bounce ideas off, just another example of a way to do something, so you are not just looking at yourself and your ideas.

While 'leadership' clearly relates to active citizenship almost two-thirds of respondents indicate that they never take on a leadership role (nor is it valued by more than 30%) but this is perhaps not surprising given the 'newness' of the group to the institution and the limited number of leadership roles 'available'. The interviews elicited very little useful follow-up discussion about leadership (except narrowly within learning groups) suggesting that such issues do not yet register in 'first time' consciousness Tracking the growth of 'citizenship' awareness through university study programmes, however, would make a worthwhile and original future study of this important aspect of student engagement.

Summary and suggestions

The survey response rates prevent the drawing of definitive conclusions from the data collected; nevertheless this triangulated study provides some useful insights into many features of university student engagement. Much of what we have 'learned' in this study may seem to be commonsensical; for example, that supportive teachers aid learning, that students need to feel competent or that active, meaningful learning that has relevance to 'real life' is highly valued. However in a climate of financial cuts and where the primacy of research sometimes appears to be gaining ground at the expense of quality teaching the 'obviousness' of insights from research such as this bear repeating (Tarver 2007).

Under the strand of motivation and agency Zepke and Leach (2008) suggest that engaged students are usually intrinsically motivated and need to feel competent to work autonomously and to achieve success. The data from this case study indicates that these are indeed competencies that are valued highly by, and are motivational to, the group of students surveyed. Perhaps the most striking insight from this case study is that while centralised learning related services have some value to some students, the institutional and transactional support (Zepke & Leach, 2008) valued most highly is that incorporated into the courses themselves. More than anything teachers – and what they do - matter! Friendly, interesting lecturers who are reasonably available, who challenge and who themselves engage in a teaching-learning dialogue with their students, foster the engagement of those learners in their university study. A reduction in class sizes to increase the opportunities for lecturers' meaningful interaction with students is an 'idealistic' solution that, at this point in time, is unlikely to happen so it is clearly important that lecturers find ways of integrating meaningful and supportive lecturer/student, student/student and small group interactions within large classes.

Importantly, responses relating to support groups that are self-chosen, either within or without the institution would suggest that such groups do make a positive contribution to engagement. Consequently the considerable effort made by this institution to develop tutor, mentor or 'whanau' groups during orientation might not be justifiable given the low level of importance accorded such arbitrarily organised groups. We would suggest that the current initiatives be re-examined to ascertain how maximum advantage can be gained for learners especially if lecturers are finding less time to put into transactional teaching.

Some responses from students of minority ethnic groups suggest that some institutional support 'fits' the dominant culture of New Zealand rather than that of many minority cultures represented within the student body. Looking more closely at the minority voices that do endorse the importance of some institutional support mechanisms could highlight target areas for future consideration. It is important that support at the organisational level should help to fill in the gaps that are created for some students whose cultural capital, widely defined, is not activated in this dominant system rather than mainly support the majority of motivated, competent learners able to exercise autonomous agency in a way that fits the dominant culture. While individual teaching staff may feel unable to offer additional support themselves beyond good practice, we recommend that university based institutional support provisions be reviewed to see what enhanced supports can be provided. As Devlin *et al* (2009) point out, 'there are particular, and significant, challenges in engaging a student body that is diverse and increasingly off campus'.

Finally, the strand of 'active citizenship' (Zepke & Leach 2008), calls for greater consideration. This strand was given low priority by the participants in this case study; this appears to be because

students have a narrower focus on the achievement of their immediate academic and transactional goals, especially at this early stage as first-time enrollees in the institution. However this goal is almost always articulated in one form or another in both university mission statements and expected graduate profiles. The triangulation of this case study indicates a discrepancy in emphasis on this strand, which nevertheless underpins a defining characteristic of higher education (Walters & Watters, 2001). In the introduction it was suggested that 'engagement' is a difficult concept to define beyond specifying that the process must generate 'high quality learning' (The Australian Council of Educational Research, 2008). As a result of this study, we suggest an added refinement on the 'test' of 'engagement' in university education, in 'mapping' exercises (Devlin, Brockett and Nichols, 2009). Such mapping must include 'active citizenship' features for without this aspect student engagement in higher learning cannot be said to be fully accomplished. We recommend that future engagement research could profitably focus on tracking this aspect, identifying relevant teaching and learning strategies and further refining the concept.

References

- Anderson, V. (2006). Who's not integrating? International women speak about New Zealand students. Accessed:<http://www.isana.org.au/files/2008%20Conference%20Proceedings/paper>
- Australian Council for Educational Research (2008). *Attracting, engaging and retaining new conversations about learning. Australian student engagement report*. Camberwell, Vic: ACER.
- Barnett, R., & Coate, K. (2005). *Engaging the curriculum in higher education*. Maidenhead, UK: Society for Research into Higher Education and Open University Press.
- Butler-Kisber, L., & Portelli, J. (2003). The challenge of student engagement: Beyond mainstream conceptions and practice. *McGill Journal of Education*, 38(2), 207-220.
- Calder, A. (2004). Peer interaction in the transition process. *Journal of the Australian and New Zealand Student Services Association*, 23, 4-16.
- Coates, H. (2006). *Student engagement in campus-based and online education*. London Routledge.
- Community College Survey of Student Engagement. (2006). *Act on fact: Using data to improve student success. 2006 findings*. Austin: University of Texas.
- Deci, E., & Ryan, R. (2000). The 'what' and 'why' of goal pursuits: Human needs and the self-determination of behaviour. *Psychological Inquiry*, 11(4), 227-268.
- Devlin, M., Brocket, J. & Nichols, S. (2009). Focusing on university student engagement at the institutional level *Journal of Higher Education Policy and Management*. 31::2, pp109-119.
- Farrell, B. & Farrell, H. (2008). Student satisfaction with cooperative learning in an Accounting curriculum. *Journal of University Teaching and Learning Practice*. 5:2, pp 39-54.
- Fazey, D.M.A., & Fazey, J.A. (2001). The potential for autonomy in learning: Perceptions of competence, motivation and locus of control in first-year undergraduate students. *Studies in Higher Education* 26(3), 345-361.

- Hu, S.P., & Kuh, G.D. (2002). Being (dis)engaged in educationally purposeful activities: The influences of student & institutional characteristics. *Research in Higher Education*, 43(5), 555-75
- Hu, S.P., & Kuh, G.D. (2003). Maximizing what students get out of college: Testing a learning productivity model. *Journal of College Student Development*, 44(2), 185-203.
- Krause, K-L. (2005). *Engaged, inert or otherwise occupied? Deconstructing the 21st century undergraduate student*. Keynote paper presented at James Cook University Symposium, Sharing Scholarship in Learning and Teaching: Engaging students. James Cook University, Townsville/Cairns, Queensland, 21 -22 September 2005.
- Krause, K-L., & Coates, H. (2008). Students' engagement in first-year university. *Assessment and Evaluation in Higher education*, 33(5), 493 -505.
- Kuh, G.D., & Gonyea, R. (2003). The role of the academic library in promoting student engagement in learning. *College and Research Libraries*, 64(4), 256-282.
- Kuh, G.D., Kinzie, J., Schuh, J., Whitt, E., & Associates (2005). *Student success in college: Creating conditions that matter*. San Francisco: Jossey-Bass.
- McInnis, C. (2003). *New realities of the student experience: how should universities respond?* Paper presented at the European Association for Institutional Research 25th Annual Conference, Limerick.
- Mearns, K. Meyer, J. & Bharadwaj, A. (2007). Student engagement in human biology practical sessions. In *Student Engagement*. Proceedings of the 16th Annual Teaching Learning Forum, 30-31 Jan. 2007. Perth: The University of Western Australia. <http://lsn.curtin.edu.au/tlf/tlf2007/refereed/mearns.html>
- Moran, E.T., & Gonyea, T. (2003). *The influence of academically-focused peer interaction on college students' development*. USA: State University of New York at Plattsburgh and New Hampshire College.
- Pittaway, S., & Moss, T. (2006). *Contextualising student engagement: Orientation and beyond in teacher education*. Paper presented at the 9th Pacific Rim First Year in Higher Education Conference, Engaging Students, Griffith University, Gold Coast Campus Australia.12-14 July.
- Porter, S. (2006) Institutional structures and student engagement. *Research in Higher Education*, 47 (5), (531 -558).
- Reason, R., Terenzini, P. & Domingo, R. (2006). First things first: Developing academic competence in the first year of college. *Research in Higher Education*, 47(2), 149-175.
- Russell, B. (2007). With a little help from my friends: Preservice teacher education students' perceptions of the importance of peer support. *NZ Journal of Adult Learning*, 35(1), 71-87.
- Salyo, R. (1975). *Qualitative differences in learning as a function of the learner's conception of the task*. Gothenburg: Acta Universitatis Gothoburgensis.

- Taylor, J. (2008). Assessment in first year university: A model to manage transition. *Journal of University Teaching and Learning Practice*. 5:1, pp 19-33.
- Tarver, M. (2007). Why I am not a professor or the decline and fall of the British university. Accessed at: <http://www.lambdassociates.org/blog/decline.htm>
- Teaching and Learning Research Initiative (TLRI). (2009). *Teaching and Learning Research Initiative*. Accessed at: <http://www.tlri.org.nz/> (1-9-09).
- Tertiary Education Commission. (2005). *The challenge of engagement involving small and medium sized enterprises in industry training*. Wellington.
- Tertiary Education Commission. (2007). *Tertiary Education Strategy, 2007-2012*. Wellington.
- Tertiary Education Commission. (2009). *Teaching adults to listen and speak to communicate using the learning progressions*. Wellington.
- Tinto, V. (1987). *Leaving college: Rethinking the causes and cures of student attrition*. Chicago:University of Chicago Press.
- Tinto, V. (1993). *Leaving college: Rethinking the causes and cures of student attrition* (2nd ed.). Chicago: University of Chicago Press.
- Umbach, P.D., & Wawryzynski, M.R. (2005). Faculty do matter: The role of college faculty in student learning and engagement. *Research in Higher Education* 47(2), 15 -184.
- Walker, R. (1980). The conduct of educational case studies: ethics, theory and procedures. In W. Dockerrell & D Hamilton (Eds), *Rethinking Educational Research*, Hodder & Stoughton, London. 30-63.
- Walters, S. & Watters, K. (2001). Lifelong learning, higher education and active citizenship: from rhetoric to action. *International Journal of Lifelong Education*. 20:6, pp471-478.
- Yorke, M. (2006). *Student engagement: Deep, surface or strategic?* Keynote address presented at the 9th Pacific Rim First Year in Higher Education Conference, Engaging Students, Griffith University, Gold Coast Campus, Australia. 12-14 July.
- Zepke, N., & Leach, L., (2005). *Integration and adaptation: Approaches to the student retention and achievement puzzle*. *Active Learning in Higher Education*, Vol. 6, No. 1, 46-59.
- Zepke, N., & Leach, L., (2008). *Improving student engagement in post-school setting: A synthesis of the literature*. Paper presented at the NZARE conference, Palmerston North.
- Zepke, N., Leach, L., & Butler, P. (2008). *Student perceptions of how they engage with learning in tertiary settings*. Paper presented at the NZARE conference, Palmerston North.
- Zepke, Leach, Anderson, Butler, Henderson, Hoffman, Isaacs, Ross, Russell, Slater, Solomon, Wilson & Wiseley. (2009). *Improving Student Engagement in Post-School Settings: an Annotated Bibliography*. Ako Aotearoa. Accessed <http://ako.aotearoa.ac.nz/ako-aotearoa/ako-aotearoa/resources/pages/improving-student-engagement-post-school-settings-annotate>.