“It is like a little journey”: Deaf International Futsal Players’ Experiences and Key Coaching Lessons from a Collaborative Blended Learning Approach in Preparation for a Major Competition.

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The aim of this study was twofold, firstly, to explore the challenges and successes faced by deaf international futsal players when using a collaborative blended learning (CBL) approach in preparation for a major competition, and, secondly, to provide a discussion of key coaching lessons learned to inspire coaches to consider how to best develop their ‘little journeys’. Data were collected from 12 players via six semi-structured focus groups, along with 36 reflective diaries maintained by the two researchers (who held the role of ‘Joint Head Coach’ and ‘Performance Analyst’), using a critical participatory action research (CPAR) methodological approach. Data collection and analysis were an on-going and cyclical process during the seven-month study. Four key themes were identified: ‘a little journey: a connected approach to learning’, ‘ownership, collaboration and connection’, ‘communication barriers and fear of misinterpretation’ and ‘players’ initial ‘buy-in’ to the constructivist approach to learning’. Key coaching lessons highlighted the need for a flexible and ‘connected’ approach to learning. Here, through our learning in-action and on-action, we often found ourselves as ‘social’ managers in trying to explore inter-relational complexities and support individuals to build trust, an aspect seen by players as crucial for actively developing CBL within the group.

KEYWORDS: Collaborative learning; Blended Learning; Vygotsky; Sports Coaching; Performance analysis
Introduction

Over the past decade, sports coaching discussions have focused on the pedagogical expertise of the coach (Vinson et al., 2017; Cope and Partington, 2019) with several scholars paying attention to how various theories of learning have been used to inform coaching practice and subsequently enhance learning in able-bodied sporting populations (Nelson, Groom, & Potrac, 2016; Roberts & Potrac, 2014). By adopting a holistic view of learning (and coaching), coaches can create an interactive learning environment whereby individuals can engage in exchanges of cooperation (Toner, Moran, & Gale, 2016). These cooperative activities promote moral, social and intellectual development, which have been found to encourage holistic development (Light & Harvey, 2017).

It is the role of the coach to acknowledge the variety of different ways an individual learns, whilst also understanding that learning is more than merely the accumulation of knowledge (Werthner & Trudel, 2006). This approach commonly aligns to a constructivist perspective of learning (Cassidy, Jones, & Potrac, 2016; Vinson, Brady, Moreland, & Judge, 2016), whereby through focusing on creating an active and interpretative process, the learner accrues and develops their knowledge and understanding through reflecting on past performances and engaging in interactions with others (Roberts & Potrac, 2014). This perspective of learning has become common currency within the field of sports coaching when attempting to make sense of current practice and how to promote player learning (Jones, Thomas, Nunes, & Filho, 2018). However, limited knowledge currently exists regarding how players with hearing impairment learn and whether a constructivist approach promotes learning in this population. This article, therefore, attempts to firstly, explore the challenges and successes faced by deaf international futsal players when using a collaborative blended learning approach (i.e., online and face-to-face group activities) in preparation for a major competition. Secondly, it aims to provide a
discussion of key coaching lessons learned in an attempt to inspire coaches to consider how to
best develop their ‘little journeys’.

**Constructivism, collaborative learning and collaborative blended learning**

Constructivist theories focus on how an individual ‘constructs’ knowledge and understanding through considering how their learning has been affected by new experiences and/or information gained as a result of participation and/or interactions with others. It is important to note that constructivism does not refer to a singular theoretical perspective, but a diverse and broad range of theories that attempt to aid understanding of how humans learn (Roberts & Potrac, 2014). Scholars from sports coaching have more recently made attempts to examine what Vygotsky’s theoretical perspective means for coaches and coaching practices (Hendricks et al., 2018).

The ‘Zone of Proximal Development’ (ZPD) is one of the most well-known concepts of Vygotsky’s idea of learning (Jones et al., 2018). It is defined by Vygotsky (1978) as “the distance between the actual development level as determined by independent problem solving and the level of potential development as determined through problem solving under adult guidance or in collaboration with more capable peers” (p. 86). The idea is that individuals learn best when working with others and, through such collaborative approach, learners master tasks that were once too difficult to attain on their own. Jones et al. (2018) highlighted there has been a tendency to focus on Vygotsky’s ZPD, which underplays the value of his principal ideas in aiding our understanding in the field of sports coaching. Vinson and Parker (2019) further support Jones et al.’s (2018) review, highlighting the value of Vygotsky’s other concepts, including a cultural-historical perspective, mediation, the more capable other and Perezhivanie, to inform and enhance collaborative approaches to learning.
To best understand Vygotsky’s assumption of a cultural-historical perspective, he and colleagues deemed that humans behaviour and their learning can only be explained by their historical and social recourse (Morcom, 2017; Vygotsky, 1978). The concept of mediation referred to the use of language as a vehicle for creating meaning and measuring self-regulation through inner speech to facilitate higher psychological functions (Vinson & Parker, 2019; Vygotsky, 1987). Whilst the ZPD refers to the ‘more capable other’, according to Vygotsky (1987), this does not necessarily have to be an adult but could include a teammate or other individual, as they could equally hold knowledge or assist in generating new knowledge. Thus, the ‘more capable other’ provides ‘scaffolding’ to facilitate learning through context-bound interactions that assist the learner in understanding the concept/problem being explored (Cassidy et al., 2016). One of the most difficult concepts of Vygotsky’s works to understand is perezhivanie; it refers to something that is found or learnt from outside the person through facing a difficult or critical situation (Michell, 2016). The exposure to external events causes internal transformation, which leads to the learner making meaning or sense of the context or situation. These additional concepts provide useful guidance for understanding how learning can occur when faced with a difficult or critical task (Vinson & Parker, 2019). In particular, Vygotsky’s perspective can be applied to how coaches and support staff scaffold tactical problems in an attempt to aid learners’ ability to problem solve different sporting scenarios when help is removed. Therefore, it underlines the connections between the supportive and assisted training environment, the unassisted competitive gameplay and the appreciation of cognition in enhancing learning, decision-making and performance.

According to Monteiro and Morrison (2014), Vygotsky's (1978) view of learning is strongly rooted in collaborative learning and collaborative blended learning (CBL), two techniques that have made strong claims to enhance learners’ knowledge. Here, collaborative learning refers to an umbrella term which involves a joint intellectual effort by individuals to search for
meanings, solutions or understanding to a task or problem (Laal & Ghodsi, 2012). The process enables the collaborative construction and reconstruction of knowledge, which has been found to promote high performance, high-order thinking and positive interpersonal relationships (Monteiro & Morrison, 2014). Similarly, the use of CBL approaches, which combine face-to-face learning with online learning, is an effective and flexible solution for linking within and outside learning (Sun, Liu, Luo, Wu, & Shi, 2017). Doolan and Hilliard (2006) highlighted how CBL echoes Vygotsky's (1978) view of learning, by providing opportunities for learner-to-learner support through scaffolding. Also, CBL has been found to provide learners with an opportunity to exchange ideas, share views, develop constructive arguments and use previous knowledge and experiences to solve problems in team activities (Monteiro & Morrison, 2014). While recent discussions and movements towards embracing collaborative and blended approaches to learning align with the various forms of constructivism (e.g. psychological and social) and are welcomed, there remains a paucity of evidence and guidance addressing how coaches help players acquire, develop, and refine their sporting attributes, skills and understandings (Roberts & Potrac, 2014). Recently, Vinson et al. (2017) provided supporting evidence to highlight that aligning pedagogical features towards a constructivist lens can contribute to player learning and aspects of team culture and cohesion. In this context, performance analysis (PA) was utilised as an available learning tool to encourage collaborative learning.

Performance analysis and collaborative blended learning

PA has become an integral component within the coaching process, providing coaches, players and support staff with objective evidence to assist in recalling events and promoting learning (Bateman & Jones, 2019; Eaves, 2015; Groom & Nelson, 2013). Whilst it has been well documented that feedback provided to learners should be accurate, meaningful and suitably
pitched to the level of the learner (e.g. Laird & Waters, 2008; Ward & Williams, 2016), limited focus has explored PA’s effectiveness in promoting player learning. Fernandez-Echeverria, Mesquita, Conejero, & Moreno (2019) discovered PA was viewed by elite volleyball players as an essential learning tool, contributing to helping inform aspects that need correcting, reinforcing aspects of positive play and helping to prepare for upcoming games. Within association football, Reeves & Roberts (2013) also found coaches and players shared similar views, highlighting PA as a key developmental tool in contributing to team and individual performance by aiding reflection. However, Bampouras, Cronin, & Miller (2012) discovered players can become sceptical to the use of PA if they are excluded from adopting an active role in the process. In agreement, Francis & Jones (2014) and Nelson, Potrac & Groom (2014) identified that players are wanting to play an active role in the PA process due to their awareness of the process in assisting their learning. However, the researchers provided little evidence as to how coaches, players and analysts should go about introducing a CBL environment.

When discussing a PA process with association football coaches, Groom, Cushion & Nelson (2011) highlighted the importance of acknowledging contextual factors that need to be considered when delivery a PA provision: social environment, presentation format, session design, coaching and delivery philosophy, delivery process and recipient qualities. The researchers stressed coaches need to be aware of each other’s role and the acting of that role and how the integrations are negotiated to aid player learning when delivering PA. Vinson et al. (2017) found when coaches used an online PA platform these aspects were considered. Coaches used the platform to upload and share video from games or individually focused clips for players to view, comment on and discuss at a later time. The footage was uploaded either post-match or pre-training to inform the focus of upcoming sessions or games. Through this specific PA process, the coaches were able to use the online platform to complement their face-
to-face deliver, facilitate active involvement in the process of PA, develop a team culture and
positive environment, and allow players to demonstrate their creativity through inputting into
group activities. O’Donoghue & Mayes’s (2013) previous work further support these findings,
indicating the recent increase in other online platforms potentially provides a useful learning
tool to facilitate video based feedback for players, support traditional face-to-face coaching and
enhance team culture for performance sports teams and coaches operating outside a full-time
professional setting.

Learning within a deaf sport setting

Despite recent attention within able-bodied populations, research is yet to adequately focus on
sports coaches’ and players’ use of PA as a tool to promote collaborative learning within a deaf
sport setting. Working in deaf sport can present its own unique sets of challenges, with barriers
to developing an active, social and interpretive approach to learning, potentially surfacing
(Mapepa & Magano, 2018). In particular, individuals who are deaf or hard of hearing have a
‘special culture’ (Strnadová, 2001), sometimes electing to be solely part of a ‘sociolinguistic
community’ (Scheetz, 2004). Typically, these individuals do not see themselves as people with
disability, rejecting the associated label, instead, considering themselves as part of a cultural
and linguistic minority who share pride in communicating through sign language (SL) (Obasi,
2008). Thus, the communicative barriers associated with people who are deaf are the only
distinguishing factors that separate them from other individuals (Kurková, Válková, & Scheetz,
2011).

As stated above, people who are deaf have traditionally relied on SL to communicate amongst
individuals who are deaf and those who can hear. However, developments in medical science
(cochlear implants and hearing aids) and other technological tools have allowed deaf people to
“hear” and achieve speech development (Geers, Mitchell, Warner-Czyz, Wang, & Eisenberg,
2017). A range of communication approaches have now been adopted by individuals who are
dead, from spoken language to SL to bilingualism, to aid effective communication in a variety
of settings and for a variety of purposes (Tomaszewski, Krzysztofiak, & Moroń, 2019). These
differences not only present challenges for deaf players to communicate using their preferred
approach with one another, but for players and staff who cannot communicate in both spoken
language and SL. Marschark & Knoors (2012) highlighted spoken language amongst the deaf
community is becoming the first and primary language for a growing number of people.
However, if individuals are unable to effectively communicate with each other, challenges may
surface in social settings and subsequently, those individuals often find themselves isolated
from collaborative activities (Kurková, 2005). As a result, this inability to effectively
communicate has also been shown to adversely affect education and development success
(Tomaszewski et al., 2019), key aspects that are required when competing in a high level sport.
Thus, if adaptations to how deaf teams communicate with one another in face-to-face and distant
coaching environments can be made, the ability for these players to learn is likely to increase
(Kurková et al., 2011).
From the information presented above, there are many claims, but also potential challenges, as
to why the use of PA within CBL approaches could be a positive tool to aid learning of futsal
players with hearing impairments. The article reports an intervention that was designed over
seven months to promote a CBL approach (i.e., online and face to face group activities) by both
deaf women international futsal players and staff members when preparing for a major
championship in 2018.
Methods

Background

The initial stimuli for undertaking this project came as we (the researchers) also had the role of ‘Joint Head Coach’ and ‘Performance Analyst’ within an International Deaf Women’s Futsal Team. To help the team achieve the success of getting out of the pool stage at the competition, we were required to reflect upon our current coaching and PA experiences as well as collating the views from the players to develop a suitable learning and performance environment. Luciana’s role within the team included the planning and delivery of coaching sessions, game management, player selection and performance review whilst working collaboratively with the other Joint Head Coach. She began working with the team 19 months before the beginning of the intervention which was when she first experienced coaching deaf players. On a personal level, Luciana grew up with a relative who was profoundly deaf and relied on sign language to communicate. Luciana had no hearing impairments and basic knowledge of sign language. She had over 15 years experience as a futsal player and coach at a national and international level, and held Union of European Football Associations B-licenses in Futsal and Football. John’s role as a performance analyst in the team was to assist the coaching staff and players by providing data and footage to aid reflection, decision-making, learning and preparation for future performance. John worked as a performance analyst for several international and national teams in a variety of sports over the past 10 years, and within the last three years, he has worked with a range of Para-Football teams for a national football association. Before the commencing of the study, John had been involved with the team for nine months but had no prior experience of working with deaf players and did not have a hearing impairment himself. Through working together, it was, therefore, our aim to improve our understanding and practices to support the team’s preparation in the run-up to the major competition and during
the 12-day competition. In addition to our joint roles and our limited experiences of working
with deaf players, we relied on the communication skills of our interpreter to communicate
with those who relied solely on sign language (only 2 players). He was a registered sign
language interpreter, having over 20 years of experience working with deaf learners, and had
worked within the deaf football/futsal environment for over 6 years.

Research design

A critical participatory action research (CPAR) process (Kemmis, McTaggart, & Nixon, 2014)
was adopted. The approach collectively positions research by bringing together academic
researchers and members of a community to create or change practices (Kemmis et al., 2014).
It creates conditions for researchers, practitioners and participants to understand and develop
the ways in which practices are conducted by establishing conditions for individuals to engage
in direct communication and debate (McTaggart, Nixon, & Kemmis, 2017). CPAR does not
follow the usual research design steps in conventional scientific research, but through working
collectively, the participants and researchers engage in a process of enquiry, action and
reflection (Cammarota & Fine, 2007). Throughout the completion of the study, we collected
‘data’ from each other and the players to aid our understanding and plan for change. Therefore,
adopting a CPAR approach would support changing ‘what is happening here’, rejecting the
premise of objectivity and creating conditions for us and the players to be actively involved
and have a voice in all aspects of the research process to inform the future direction the team
took. In employing this research methodology, we were able to explore changes through
multiple data collection moments, capturing the nuances of everyday practices “over a period
encompassing a variety of learning experiences” (De Martin-Silva, Fonseca, Jones, Morgan, &
Mesquita, 2015, p.672).
Participants

Following Institutional Ethical approval, a total of 12 international deaf women futsal players (aged 18-27) were invited to take part in the study by the two researchers. Participants were selected through purposive sampling techniques (Bryman, 2016) to select all international deaf women futsal players who were part representing a specific European country in a major competition in 2018. All players reported a hearing loss of at least 55db in the better ear across 3-tone frequencies. The participants’ experience of international futsal ranged from two-years to five-years, with nine players also having previously represented their nation in 11-a-side deaf football. Out of the 12 players, two relied solely on SL to communicate, one relied solely on verbal communication and nine could communicate in both SL and verbally with varying levels of fluency. Each participant was made aware that their participation in the study was not compulsory and that there were no links to the support provision they received nor selection for the upcoming competition. During the initial formulating of the research project’s idea, players were involved and informed that the research would directly assist them in working towards their overall goal. The relationship that had been built between the players and the two researchers, during the period they were working together prior to commencing the project, assisted in gaining trust and rapport. Before the project started, voluntary informed consent was obtained from all individuals per the Declaration of Helsinki and repeatedly checked throughout the project duration to ensure consent was maintained throughout the study.

Research process

A key challenge identified by the staff team was how to cater for individual needs (e.g., different levels of playing ability combined with specific communication support
required due to different hearing levels) when leading a team to the major competition.

Despite being with most of the 12 players for the previous season, another key challenge was the integration of new players into the squad seven months before the competition.

During that time, players had a total of five training camp weekends and spent an extra 12 days together during the major competition. To make the most of the final preparations for the competition, we decided that we should invest in creating a learning platform that encouraged learning to take place in and away from training camps. In this context, getting to know players and the best way to support their learning in and away from camp weekends was crucial. After meetings between staff members (of whom we were two), it was agreed that providing a CBL approach could be beneficial to player learning. More specifically, the CBL design was used to ‘connect the dots’, pre-, during and post-training camps, through utilising the online platform as well as traditional face-to-face coaching to facilitate learning. The focus here was on technical, tactical and social elements associated with being part of the team (see Figure 1).
The study was introduced to the players during one of the training camps (June) and individual accounts to an online learning platform called ‘HIVE’ (Hive Learning Limited, 2018) were created for each participant. We created a ‘folder’ specific for the study and invited players and staff to join via email. The system was utilised to upload documents, videos and other content by the participants (players and staff) over the study period. Players were asked to contribute to the variety of learning activities prior, during and following attendance to five training camps weekends (one in July, one in August, one in October and two in November) leading up to the major competition in December 2018 (see Figure 2). Although initially designing a potential schedule for the activities, we concluded that it was key that participants’ needs drove the process of when, how, why and by whom data would be added. In this sense, a flexible design
was crucial to take into account the possibility of different events, situations and learning unfolding when data were collected.

Figure 2: Timeline of research process demonstrating training camps, competition date and data collection periods.

**Data Collection**

The data were collected through focus groups with players and we maintained reflective journals throughout the study. Throughout the seven months, each participant interacted with both researchers (via text messages, email or private message through the platform). If similar ideas or challenges regarding the interventions arose in these conversations, permission was gained to formulate questions that could be used during focus group discussions to delve deeper and find solutions or explore why current ideas/practices were deemed effective.

**Focus group interviews**

Players’ perceptions of the benefits and challenges associated with their CBL experience were explored during focus groups throughout the study to better understand their experience and guide future practice. Following the introduction of the online learning platform (June), six focus groups took place at three different points during the study, more specifically two in July,
two in October and two in December (see Figure 2). Players were divided into two small groups of between four and six participants, dependent on hearing impairment.

The focus groups took place in a quiet and convenient meeting room during training camps or competition periods, working around the players’ and the interpreter’s schedules (e.g., medical clinic; monitoring), which also dictated the selection of participants for each group. The focus group interviews were semi-structured offering a framework of questions and the freedom to probe participants further, allowing for clarification and elaboration (Bryman, 2016). The interviews were based upon the project’s aim as well as the unfolding HIVE platform, our reflective diaries and conversations (Phillippi & Lauderdale, 2018) (see Appendix 1). The small group size allowed in-depth perspectives for each individual to be captured (Tausch & Menold, 2016) as well as factoring in the additional time required for the interpreter to communicate the participants’ thoughts effectively to both SL and non-SL individuals. The interpreter attended all of the focus groups and acted as a mediator for the flow of information between SL and non-SL users. All focus groups were recorded on a Dictaphone and a camera and lasted for 60 minutes on average. The recordings were transcribed verbatim, and if any audio or signing needed further interpretation, the footage was revisited with the researchers and the interpreter.

Reflective journals

We (both members of staff) maintained reflective journals throughout the seven-month duration of the study, recording key events and thoughts that we felt were important for the research. A total of 36 reflective journal entries were made, at approximately a page in length. Each researcher made an entry a week prior to a camp, during the camp and a week after a camp/tournament had finished. In this sense, content in the reflective journal included thoughts and feelings based on conversations and experiences only possible in our roles as staff.
members. The journal entries were used as a tool to foster self-awareness and the notes enabled us to understand the emerging situation and modify action if required (McTaggart et al., 2017). Despite not adopting a ‘complete participant’ observer role as such (Sparkes and Smith, 2014), the experiences lived by us (the researchers), including the sense we made of players’ interactions, served to impact our views on how successful (or not) the activities were in contributing for an effective learning environment. Here, despite participating fully in the lives of the participants (as per Sparkes and Smith’s description for a complete participant role) we did not aim to register those observations as a method of data collection, but as an informal experience to trigger further discussions during research conversations and focus group interviews.

**Data analysis and credibility**

As recommended by CPAR researchers, the data collection and analysis were an on-going and cyclical process that continued throughout the study (MacDonald, 2012). Charmaz’s (2006) process for inductive analyses (Initial coding, focused coding and theoretical coding) was adopted in this study to analyse the focus groups transcripts and the notes within the reflective journals. In the first stage (initial coding), there was special attention to creating codes from interpreting the data rather than “forcing the data to fit them” (Charmaz, 2006, p.49). The second stage (focused coding) consisted of returning to the data and recognising similar codes across the answers provided by the participants. The next stage was the theoretical analysis, whereby we adopted a strategy to narrow our focus on emerging categories and as a technique to develop and refine these categories further. The themes were analysed and rearranged if and when appropriate. We agreed on the themes together as an accurate representation of the participant’s experiences. The narrative and data extracts from the participants’ focus groups and our reflective journals were woven together into a coherent and persuasive story that
captured the perceptions of the participants’ and our learning experiences in preparation for a major competition. The process of CPAR and the almost ‘complete participant’ roles we fulfilled inherently encouraged credibility by being deliberate and self-reflexive (Cahill, 2015; Elo et al., 2014) as well as generating rapport and trust between the participants and us (Lennie, 2006). The cyclical processes of CPAR is consistent with guidelines proposed by Sparkes & Smith (2009, 2014) and helped guide our work. Through adopting the guidelines we aimed to (a) ensure we understood the player’s experiences of CBL, (b) demonstrate that we cared about the player’s experiences, (c) provide a narrative that advances knowledge, (d) provide a narrative that others can relate to, (e) uncover our assumptions, (f) provide information that readers of this project can resonate with, and (g) provide information for coaches and support staff to use to inform their own practice.

Results

The results are divided into two sections, more specifically the (a) successes and (b) the challenges faced by deaf international futsal players when using a CBL approach. Data analysis processes produced four main themes: ‘a little journey: a connected approach to learning’, ‘ownership, collaboration and connection’, ‘communication barriers and fear of misinterpretation’, and ‘players’ initial ‘buy-in’ to the constructivist approach to learning’. Each is now presented in turn.
Players referred to their CBL experience as a ‘little journey’. This included opportunities to learn pre, during and post-training camps. As explained by Natasha:

Natasha: It's like a little journey. Pre-task which occurs before the camp, where we have a little insight into what focus and the content is going to be… During the camp, we then attempt to apply the messages learnt before the camp and make suitable adjustments. And also reflect on the activities and the games… Then following the camp we get another opportunity to explore our performances in line with the aims and objectives of the camp and the team goal… Those different bits of information given to us over time really helps us. (Focus group 3, October 2018)

Such a structure included the use of HIVE for face-to-face group tasks as well as practical application on court followed by debriefs and follow up tasks linked to the topic covered during the training camp. This not only allowed for what players perceived to be a connected approach to learning but ensured increased levels of engagement in CBL, as demonstrated in the extract below:

Sarah: I was able to go away after the camp and watch the bits of footage of myself and my teammates, I was able to discuss things with other players and then I was able to come to the next camp feeling much much better and perform much better. (Focus group 3, October 2018)

In this sense, players used the online learning environment as a platform to support further discussions and consolidation of learning. They also developed their own ways of sharing resources and inviting feedback between camps and even during the in-camp sessions:
Ellie: Using our emails we can send clips and watch each other matches and start picking out each other's strengths and weaknesses and that's another opportunity to receive feedback from other people and that's what we've been doing. (Focus group 3, October 2018)

As the study developed, players started to attribute the use of the CBL approach as a principal factor towards increased success. In particular, the use of videos pre, during and post-camp to provide a framework for discussions was a highly valued aspect. In the words of Ellie:

Ellie: The past two months we have been uploading video onto HIVE and I can see a massive improvement in our performances. Not just myself but every single player in the team (Focus group 3, October 2018)

John found the adopted approach to be effective as a platform to complement the messages that were delivered in camp sessions and the friendly games and supplement previous methods he had used to deliver objective evidence to players:

John: Since using HIVE over the last couple of months, I have found the ability to upload various bits of content extremely valuable. We initially just started with small video clips of best-practice aspects of other teams. However, as we went from camp to camp we were able to input more specific content around the playing style that the coaches built around the players skill level and potential level. Following a suggestion from a player, we began uploading specific aspects of each individual’s performance to reflect on and considered the framing of some of the questions that we asked. I saw the platform as a really useful resource for every player and every member of staff to see what we were wanting to work towards and welcomed the feedback and suggestions as a sign of working towards our overall goal (Reflective Journal. Entry: October 2018).
Ownership, collaboration and connection

As the major competition approached, players evidenced a greater sense of being part of a team, which coincided with greater collaboration and connection in their learning journey. The CBL approach was seen as a positive aspect of contributing to a positive culture. In particular, it helped bring the players and staff together to build an effective supportive relationship for the group to achieve their aims.

Sarah: I feel because of the videos 100% prepared for the match…I also feel much more connected with the staff and really appreciate their time going through everything. For example, when we are confused the coaches check that everything's going in I know. We respect the staff and we know that they respect us back, important for me and developing that culture. Overall, the team and the culture is really important.

Kayleigh: It's really important for us to see the staff getting on together well…when we are sat together as a team, at meals or the team activities, for example, we feel all as one. It is more relaxed and is brilliant, it's good for us to see that as players.

(Focus group 6, December 2018)

Here, the accessibility of content, as well as people, encouraged players to drive some of the team activities. In the words of Ellie and Emilia:

Ellie: One of the players said we are putting this game on, come in my room if you want to watch it. Everyone just came into her room and we just started to watch it.

Emilia: We didn’t plan it or anything, I didn’t expect the whole team to be in there but it was great.
Ellie: It wasn’t just about watching stuff we got together as a team. That is another good thing about it. Even though we were watching it, we just chilled as a team and just had a general chat as well. It was just a nice thing to do. (Focus group 5, December 2018)

Evidence of ownership was also shown in other encounters as shared in the reflective journal entry below:

Luciana: During breakfast this morning, Sarah started sharing her learning experiences with me. It was fantastic listening to her and finding out what was going on behind the scenes. Sarah and Laura had spent the evening looking at the content on HIVE and creating their own drawings whilst discussing their understanding regarding team tactics and individual roles as players. Sarah seemed so confident in her own ability now, which was great as she was the last player to join the team. She explained how she and Laura were keen to improve their knowledge of the game and decided to get together to support each other. Here, she mentioned that having the visual resources available on HIVE (i.e., pictures, text, discussions, diagrams, videos) provided a platform for learning where they shared ideas and thoughts in terms of what they should do in different contexts (Reflective Journal. Entry: December 2018).

The ability to access content in an environment that was suitable for the players needs not only aided their learning and understanding of performance but also enabled the team to come together, discuss aspects unrelated to futsal and broke up the long training and competition days.

Laura: Sometimes when you're away for a long period of time people can become quite down, so having those [social] activities helps us come together as a team and raises morale. When we come together as a team we're all laughing and we all get on really well
and it's perfect so that we can then transfer that into the game because we're all in it together. (Focus group 6, December 2018)

An exciting part of this learning journey is that it encouraged players to engage with previously unknown ways of learning. For example, Sarah, who used to see herself as someone who would absorb information from others, found a ‘new’ way of learning very beneficial:

Sarah: I didn't know that having that ability to share ideas is really important for me. (Focus group 6, December 2018)

The challenges faced by deaf international futsal players when using a CBL approach

Communication barriers and fear of misinterpretation

Despite many benefits in the players’ views, the use of a CBL approach to learning was not without its challenges. Here, the level of collaboration when away from camps was something that players found hard; (Ellie: “When we are all at work and on all different schedules it's hard”). In this sense, the live interaction proved to be a key contributor to players’ perceptions of confidence, team cohesion and positive culture. Similarly, communication, despite its significant development, was still a barrier especially for those who relied on SL:

Naomi: I think because of using sign it's difficult to put everything in words. Because SL is our first language it's hard to change it into written words.

Laura: I prefer to use SL and then get it out there but I don't know how to change that into a common written format. (Focus group 6, December 2018)
When discussing similar aspects to Naomi and Laura, Bryony aided our understanding regarding why at times players may have felt reluctant to post or why the posted messages were sometimes difficult to understand.

Bryony: I'm sure you might have noticed through other people's messages that sometimes grammatically it may be incorrect and a little bit of a mess but that's because SL and it is slightly backwards to common spoken language. So when you put that down it looks a little bit muddled up, so then when we put it into our language they almost need to then translate it. That's why face to face interaction is much better for us to ensure that we understand the message, save text messages and emails as well. (Focus group 5, December 2018)

In this sense, there was a fear of misinterpretation as alluded to by Emilia:

Emilia: It's like there are so many different ways to say the same thing and some people can take that in a different way because of how they have interpreted it from written words into SL. I didn't mean it that way I meant it like this, it gets a bit confusing sometimes and then I'm left feeling like err…we don’t want discussions to be misinterpreted (Focus group 4, November 2018)

Despite the progress made during camps and at the competition, the process of transferring thoughts, perceptions and ideas down in written format by those who used SL as their first language was still a challenge that needed to be addressed in terms of promoting learning away from camps. This was a key aspect discussed in our encounters as we reflected during and post-camp and evidenced in our reflective logs:

Luciana: Ellie asked to have a chat with me after breakfast today. She just wanted to let me know that she is finding it hard to write her contributions on our online platform. Ellie
is one of the players in the squad who is able to communicate verbally and in sign language but acknowledged that her writing skills are not as developed as she wished for. She mentioned that she asked someone else to write her comments for her in previous contributions, as she was not confident to do so. She is really committed to the programme and I really appreciate her views to inform what we do next in our coaching practice. This episode made me aware that a lack of contribution is not necessarily a lack of commitment or understanding. It also showed how Ellie was going above and beyond on creating her own ways to use the platform to benefit her own learning. Moving forward, we really need to keep developing the platform with the help of players to ensure their needs are catered for. Allowing players to upload different types of files needs to be reinforced as well as the support available via our interpreter (Reflective Journal. Entry: November 2018)

Additionally, some of the players were returning to the squad without having previously met the current players. In this environment, developing trust in their relationship was something players saw as crucial for actively developing CBL within the group. In the words of Naomi:

Naomi: …especially when we have new players coming into the squad and other players returning. So it is still new and we're still getting or still going through that process of developing trust. (Focus group 4, November 2018)

The importance of trust/relationship in developing the process was a crucial aspect that informed further interventions. Here, there was an increased focus on social elements in continuing to develop a positive high performing culture. Among those were the focus on developing more effective communication skills that allowed SL and non-SL individuals (players and staff) to spend more time together and get to know each other better. In the words of Luciana:
Luciana: With the increasing focus on the social aspects of coaching and developing trust, we agreed that informal encounters should be encouraged further within the team (including players and staff). Mealtimes were seen as a perfect opportunity to get to know each other better and engage with players’ preferred language (e.g., SL; verbal). This meant staff and players who were not fluent in SL sitting by those who were in order to learn it. It was certainly a very enjoyable experience that brought a whole new dimension to the team. It was a unique opportunity to further develop a ‘caring’ environment (Reflective Journal, November 2018).

Players’ initial ‘buy-in’ to the constructivist approach to learning

Players’ ‘buy-in’ to the constructivist approach to learning did not take place instantly. More specifically, despite recognising the potential benefits of a CBL approach to learning, at the initial stages of the project, players argued that it was “too early to say” (Kayleigh) how successful the approach would be in supporting their learning, due to only being introduced the previous month. Alongside the potential benefits, players recognised that it would require time for them to get used to and actively engage in the discussions and activities using the online platform. For example, despite being informed about the CBL approach, some of the players initially saw the platform as a repository of information. In the words of Steph:

Steph: I thought it was going to be where you can show our tactics, our defending style, our attacking style and our set pieces, just things that we can look over all of the time to help us learn and understand the game better. (Focus group 2, July 2018)

At this initial stage, there was clear evidence to suggest players’ engagement with the platform was often disjointed in the sense that they would represent ‘one-off’ contributions that would stand on their own rather than contributing to a ‘team’ discussion. In the words of one:
Bryony: I think at the moment there is not any actual discussion. I put my hand up, I wrote
the comment and then left it thinking job done!” (Focus group 1, July 2018)

Such lack of collaboration was often caused by a focus on content knowledge rather than on
the discussion of different perspectives. In this sense, players seemed to think that once what
they perceived to be the right answer was mentioned, they would have been left with nothing
to contribute:

Kayleigh: The other players had already made the points that I wanted to make. (Focus
group 1, July 2018)

Another barrier faced by players was their ‘fear’ of being wrong. Here, there was a concern
about what others would think of them:

Kayleigh: It is more to do with commenting and not wanting to be wrong… I believe that
some players lack confidence in writing or commenting on a video.

Rosie: I would say that as well. I would see that as being an issue.

(Focus group 1, July 2018)

These initial findings guided further interventions intending to encourage collaboration
amongst the players, with players volunteering to aid each other’s learning journeys. Among
those was the greater attention given to providing a more cohesive experience with clear links
between pre, during and post-camp tasks. Additionally, there was an ongoing development of
content according to participants’ needs and the explicit statement that there was more than
one ‘right’ answer. Different ways to pose questions were introduced to allow for a more
flexible and broader approach to the tasks, one that did not focus solely on the content, as
reflected by John:
John: The structured questions that I thought would help the players facilitate their own questioning and learning actually acted as a barrier. The players felt restricted discussing and commenting on their own thoughts due to the perceived rigidness of the questions. The players were also struggling at times to understand the relevance to the content that was being uploaded. In an attempt to signpost the players to the specific content and whether it was for preparing the player for an upcoming session or reviewing a previous session, we decided to add keywords in the title and provided further detail in the descriptor box to add clarity. These appeared to help following the uploading of the content of the previous camp, as engagement in the number of views and comments left increased. (Reflective Journal Entry: July 2018)

Further thoughts are provided by the Joint Head Coach to show the complexity of working with a group who requires different levels of support:

Luciana: For those who are not familiar with coaching deaf players, there may be an assumption that they are a group of players with similar needs and backgrounds. This is very far from our experience. Indeed, John and I have been discussing individual players during each camp and the support we need to provide them with, in order to overcome some of the challenges that they face when communicating both during training camps and online. As with any other groups, identifying each player’s needs and involving them in coming up with suggestions to best cater for their needs is something that we found very useful in our practice. For example, when on court, some players found it hard and felt completely lost after taking their hearing aids off during the session (which is a requirement during official competitions). For others (those who were profoundly deaf), this was something that they were used to and, therefore, did not have any issues with. In discussions with players, we decided to take a gradual approach in training sessions and allow players to wear their hearing aids, especially when focusing on tactical team
concepts. As for our online approach and after discussions with the team’s interpreter, it was made clear that players could contact him as a way to enter either a written log or video contribution to the online platform. It was important that we had both formats whenever possible to cater for the SL and non-SL players (Reflective Log. Entry: July 2018).

Discussion

Our findings showed players to be increasingly more engaged in a CBL approach during the seven months of the study, resulting in learning as participation and, in some cases, transformation (Taylor, 2017). As our findings showed, among the key contributors to the changes were, firstly, the flexible approach adopted in the study, with the players and us co-constructing the learning environment. Secondly, there was a clear focus on providing a ‘connected’ learning experience. Thirdly, there was a focus on building trust amongst the group, an aspect identified as key for a successful learning experience. Therefore, valuable insights into the challenges and successes faced by using a CBL approach to promote an active, social and collaborative approach to learning for deaf international futsal players were gained. Below, we discuss our findings whilst exploring how they could be utilised to underpin and guide coaches’ pedagogical practices.

Coaching lesson 1 - Flexibility is key when creating a learning environment

Of crucial importance in creating a flexible learning environment was the clear focus on noticing the nuances of the environment and engaging in conversations with players and other members of staff to guide future interventions (Jones, Bailey, & Thompson, 2013). This was key in trying to understand what motivated and facilitated players’ engagement in the CBL process (Diep et al., 2019). For example, we truly believed that we were posing questions that
created ‘opportunities for discussion, debate, dialogue and reflection’ among players as suggested by Harvey, Cope & Jones (2016, p.34). In this sense, we were trying to avoid “lower-order or ‘fact seeking’ enquiries” (Cope, Partington, Cushion, & Harvey, 2016, p. 380). However, after significant reflection and learning in and on-action (Thorpe et al., 2016), we recognised that players’ perceptions did not match our expectations which made us revisit our learning platform and focus on asking fewer questions in a more exploratory fashion. In this sense, it was an opportunity for us to also develop our own questioning practice, something that we felt we were experts at until we recognised that no question is good enough until tested with players and their contexts. We also started to consider the need to elaborate further on what we meant by CBL instead of assuming that players would have an appropriate and consistent understanding of the term. Here, we borrowed the definition provided by Laal & Ghodsi (2012), that is, “an educational approach to teaching and learning that involves groups of learners working together to solve a problem, complete a task, or create a product” (p. 486). In this sense, we made it clear to players that our focus was on “working together cooperatively to accomplish shared learning goals” (Laal & Ghodsi, 2012, p.486) being those on or off-court, pre, during or post-training camps. Noticing also allowed us to identify how ‘real-life’ challenges could interfere with the project and, consequently player engagement in their learning, especially when away from training camps. Although the players appreciated our research goal, they stated clearly that their participation in the project emerged from their desire to become the best players that they could become in the time that was available to them. The players sought to take advantage and attempted to implement a variety of strategies and activities within their CBL contributions. However, they were constrained by the part-time nature of the programme, balancing educational, work and other day-to-day commitments. This was, therefore, a key aspect that guided how much we required players to do away from training camps. The focus was on the
quality of their engagement rather than quantity. Cosh & Tully (2015) supported this notion, highlighting that when working with part-time athletes who are balancing several commitments it is imperative to develop a supportive environment that focuses on engagement. Of crucial importance here, were the individual coaching meetings that were arranged with players which allowed us to understand individual contexts and discuss the most appropriate ways to support players to achieve at least the minimum expectations set for the squad (e.g., fitness training away from camp). Through the support offered, coaching staff were then able to contribute to satisfaction and adaptive forms of motivation that led to the positive athlete and team outcomes (Occhino, Mallett, Rynne, & Carlisle, 2014).

The flexibility in our approach to the study was also apparent in the way we coached and analysed performance both on-court and in the classroom. We wanted players to try different approaches and express themselves without fear of being wrong. It is important to highlight, however, that we are not claiming that content knowledge and ‘social agreements’ regarding key components of play is not needed. Within futsal, the actions players perform are not only influenced by the cooperation of teammates but the organisation of opponents, highlighting the need for players to learn and understand the complex, dynamic, and sometimes less predictable challenges surrounding space and time, information and organisation (Travassos, Araújo, Vilar, & McGarry, 2011). In this sense, we worked with Sfard’s (1998) metaphors of acquisition and participation simultaneously, focusing on key concepts (instead of rigid structures) that required players to engage in constant decision making on the court and in discussions around the reasons behind their decisions/choices off the court. It very much emphasised and supported the plan we mutually agreed and adopted (Bampouras et al., 2012), moving away from the traditional linear approach of coaching towards a non-linear style (Vinson & Parker, 2019). Through this approach, the players were able to explore new ways of solving problems during the preparation stages and apply in-game tactical decisions based
Coaching lesson 2 - Connecting the dots and challenging players in a supportive environment is key for learning

As a result of assessing our environment via player and staff feedback, we continued to move forward in our build-up to the major competition and connect the dots pre, during and post-training camps learning experiences (referred to by players as a ‘little journey’). In our project, CBL was seen by players as meaningful practice, aligning with previous findings by Hardcastle, Tye, Glassey and Hagger (2015). In particular, it allowed for the development of background knowledge (Sfard, 1998) pre-training camp and, as a result, players felt they were more prepared to engage in meaningful discussions during and post-camp. In this context, groups were carefully arranged during tasks, often allowing new members of the squad to learn with ‘more capable others’ (Vygotsky, 1987). This approach encouraged players to draw on each other’s resources and previous knowledge (Shaked, Schechter, & Michalsky, 2018) whilst focusing on the quality of social interaction during collaboration, an aspect that is key for effective collaborative learning (Sangin, Molinari, Nüssli, & Dillenbourg, 2011). Underpinned by Vygotsky's (1987) concept of Zone of Proximal Development, scaffolding, mediation and Perezhivanie, staff aimed to set players with challenging tasks in a supportive environment. Here, players were required to draw on their lived experiences and sharing these with other players and staff in ‘problem-solving’ activities to find or suggest solutions. In this sense, we aimed to create an environment where collaborative work was needed to complete the tasks, especially when in training camps. We focused on the two conditions highlighted by Wass and Golding (2014) as key for scaffolding practice: “(1) students are assisted to do something they
could not do on their own; and (2) this assistance enables them eventually to learn to complete
the task independently” (p. 677). Here, players and staff members acted as ‘more capable
others’, a term used by Vygotsky to define those who have more knowledge or expertise in a
particular topic area (Potrac, Nelson, & Groom, 2016). In addition, the situations and tasks
presented were meant to resemble a difficult or critical situation, allowing for conscious
development of the players and transformation through a process of internalization and
reflecting on previous experiences (Jones et al., 2018). This scaffolding process and application
of Perezhivanie involved listening carefully to the conversations (sometimes via the interpreter)
to decide when/if further support was needed.

As argued by Potrac et al. (2016), “the zone of proximal development is not a clearly
demarcated space” (p. 105). In this sense, we acknowledge that our efforts to negotiate
understandings with the players via group and individual encounters, as well as noticing the
nature of the interactions and relationships within the group, certainly allowed us to try our
best in identifying the level at which they should be challenged. Another contributing factor
here was the relationship developed among staff members whose input was key in guiding
practice. We faced challenges especially at the start of the project in trying to implement what
for some players was a previously inaccessible way of learning and thinking (Meyer & Land,
2005). This was especially the case for those who had experienced being coached more
traditionally during previous playing years and at different teams, creating a greater reliance
on the coach as the one they should acquire the knowledge from. As a response, we continued
with our approach after reflecting on players’ wants and needs. This in-action and on action
approach (Thorpe et al., 2016) led us to a clear focus on supporting the players through
challenging situations rather than restructuring tasks in a way that those problems would be
removed (Wass & Golding, 2014). In this sense, we accepted that a temporary level of
uncertainty regarding a certain task was indeed beneficial to learning (De Martin-Silva, Fonseca, Jones, Morgan & Mesquita, 2015).

Results from the current project revealed the CBL approach worked as a catalyst for developing what Entwistle (2000) defined as a deep approach to learning (i.e., a commitment to understanding the content being introduced). For example, the players argued that pre-camp tasks and the discussions they had with other players allowed them to ‘make sense’ of their understandings, especially when they were confronted with previously inaccessible ways of thinking (Meyer & Land, 2005). This deep approach to learning, therefore, although initially mediated by staff members eventually resulted in players seeking to learn from each other, having the initiative to ask questions and develop their understanding supported by others. In doing so, we are not claiming that players became ‘independent learners’, a term often misused in the teaching literature. Instead, players still operated within an environment where the learning framework existed but became more creative and less dependent on staff members when co-creating and using those resources. Examples were apparent especially towards the second half of the project. These included players inviting the team to watch a game together and share their views; players who decided to meet and discuss their knowledge of the game whilst asking questions to each other to support their understanding; players who swapped their individual videos and provided feedback to each other; players who missed a training camp and met up with another player at their own time to review key concepts on HIVE. In all examples above, staff were not aware of players’ initiative until after it happened. In this sense, there was no input in planning or conducting the activities described. A significant input, however, was the learning platform that was provided in accordance with players’ needs. This focus on the relevance of learning activities was, to a certain extent, a catalyst for increased engagement in their learning journey (Karpov, 2014).
Coaching lesson 3 – Focus on developing social and communication skills can have a positive impact on engagement and learning

Our study also served to show that a focus on so-called ‘social skills’ was key in developing an effective learning environment. Indeed, there was a clear effort ‘behind the scenes’ to ‘orchestrate’ such an environment. Orchestration, here as argued by Jones et al., (2013, p.280) “should not be seen as underhand, Machiavellian scheming, but the acting out of considered strategies designed to make social interactions and related contexts work.” It also provided a space for discussions and alternative actions based on trying to manage a complex learning environment. In our experience, the focus of orchestration was developed mainly from players’ feedback via the focus groups, informal interactions and the act of ‘noticing’. For example, findings from the focus groups pointed out for the need to focus on building a social foundation where players were able to trust each other and collaborate. This is in line with Baturay and Toker (2019), who claim “trust can motivate individuals to complete a task as a group while a lack of trust can have the opposite effect” (p. 154). To consolidate a CBL environment, we often found ourselves as ‘social’ managers (Jones et al., 2013, p.280) in trying to explore inter-relational complexities and how to support individuals to build trust. To do so, we looked ‘beyond the immediate’, trying to focus on the nourishing earth beneath the blooming flowers “which has a secret and richness of its own” (Lefebvre, 1991, p.87).

During the initial stages of the project, the SL and non-SL individuals congregated in different groups, forming a clear divide in the group. Kurková et al. (2011) inferred that this divide was not uncommon within the deaf community, but connecting these two groups together could play an important role in integrating deaf athletes into mainstream society. Among our interventions were the focus on developing more effective communication skills that allowed SL and non-SL individuals (players and staff) to spend more time together and get to know
each other better. The intention was that those informal interventions were not forced but very flexible. Based on feedback from players, we noticed a clear preference for face-to-face contact to avoid misunderstandings and allow for players with a variety of communication levels (e.g., fluent SL, non-SL, verbal) to make sense of the messages being communicated. This was in contrast to research completed by Bishop, Taylor & Froy (2000) who found only 17% of the deaf participants favoured face-to-face communication over computer-mediated communication. The reasons for the low percentage preference may be due to the quality of the relationship developed between the researchers and the participants. In our case, due to the closeness, commitment and cooperation of staff to listen and make changes (Jowett, 2007, 2017), our relationships and understanding of the players and deaf culture increased overtime.

Some of our interventions, for example, simply involved providing players with a two-hour ‘social activity’ slot instead of what used to be another team meeting in the evening. Players dictated what they would like to do in that slot, as long as it was within the team’s professional standards, strengthening the feelings of trust and respect amongst the group. Another example was to change our habitual practices of having staff members and players sitting at separate tables during meal times. Instead, we started to take advantage of informal interactions to communicate with players and get to know each other better. For some, this was the first attempt to communicate with a player who relied on SL without the help of an interpreter. Players’ perceptions showed how those initiatives were key in contributing to building trust amongst themselves and with staff members. In their words, this originated from a feeling that the staff cared and were catering for their needs, important aspects highlighted by Rhind and Jowett (2010) for building and maintaining relationships. As a result, there was a sense of more fluid power relationships with players choosing to invite staff members to some of their social time to engage with activities that they had created.
Of crucial importance in this study was not only the learning experienced by players but the relationship developed among staff members, who, likewise advanced their practice and trust as the study progressed. Here, among the contributing factors were the opportunities created to discuss our practices in a non-judgemental environment. Ensuring that each staff member had a key contributing role in the journey to the competition was crucial in making us feel like a team (Sinotte, Bloom, & Caron, 2015). Through the development of the staff-joint-head coach relationship, the importance of developing an open relationship underpinned by honesty and being able to provide an opinion was encouraged, allowing for individuals to have autonomy in their role and bring new ideas to the table to successfully support the coaches practices and teams goal. More importantly, as some staff members were doing most of their work behind the scenes, there was a clear effort by the Joint Head Coaches to acknowledge their contribution in the process. This is in line with the work of Cruickshank & Collins (2013, p.9) who remind us of the importance of engaging with support staffing “reflecting the numerous and wide-ranging disciplines which now aid performance delivery”.

**Conclusion**

Our intention in this paper was, firstly, to explore the challenges and successes faced by deaf international futsal players when using a collaborative blended learning approach in preparation for a major competition and, secondly, to provide a discussion of key coaching lessons learned. Our findings showed the successes to be the development of a connected approach to learning, which was referred to by players as ‘a little journey’ and the ‘ownership, collaboration and connection’ that were involved in the CBL approach. The challenges faced evolved around ‘communication barriers and fear of misinterpretation’ and ‘players’ initial ‘buy-in’ to the constructivist approach to learning’. As the findings have highlighted, facilitating player learning is not a straightforward activity, however, over time the use of CBL
aided not only in performance improvements through increased tactical decision making but also the personal growth of players and staff. The feedback provided by players and the staff team as well as our constant reflections in-action and on-action were crucial in guiding the development of our CBL environment. As such, coaches must seek to constantly reflect on their practices to ensure a flexible approach to learning, providing an environment that is meaningful and accessible to players. As we grapple with the complexities of coaching practice, it is also key that we position it as a social activity and, therefore, place social skills at the forefront of our practices. Here, recognising learners as active participants and learning as a process of ‘being in the world’ is an important step if coaching is to move beyond prescriptive practices.

Finally, we hope that the experiences shared in this project inspire coaches to consider how to best develop their ‘little journeys’, something that will undoubtedly have its challenges and uncertainties. Not to engage with coaching as a contextualised and ever-changing environment, by holding a view that it can be unproblematically planned in spite of participants’ needs, does coaches a continuing disservice.

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Appendix 1: Semi-structured focus group guide

Understanding and Expectations

• What do you understand by a collaborative blended learning approach?
  
  - \textit{What does it mean to you?}

• What do you see as the expectations regarding your contributions?
  
  - Why do you think we have adopted this approach?

Successes

• What are the benefits (if any) that you have found so far when taking part in the approach?
  
  - \textit{Build upon answers exploring each benefit ('x') that was highlighted with further questions such as:}
    
    - \textit{Can you tell me a bit more about 'x'?}
    
    - \textit{Can you give me an example of how and when it happened?}
    
    - \textit{Why do you think it was beneficial?}

Challenges

• What are the challenges (if any) that you have experienced so far?
  
  - \textit{Build upon answers exploring each challenge ('y') that was highlighted with further questions such as:}
    
    - \textit{Can you tell me a bit more about 'y'?}
Can you give me an example of how and when it happened?

Why do you think it was a challenge?

**Suggestions – implications for coaching practice**

- What suggestions would you make to ensure that we cater for your individual needs?
- How can we better structure our CBL approach to make sure it is meaningful and accessible to you?
  - **Build upon answers exploring each suggestion (‘z’) that was highlighted with further questions such as:**
    - Can you tell me a bit more about ‘z’?
    - Can you give me an example of how it could be implemented?
    - How do you think it would support your development? Why?

**Ending**

- Is there anything else that you would like to mention?