

1	
2	
3	
4	
5	
6	
7	
,	
8	
9	Use of Video-Analysis Feedback within a Six-Month Coach Education
10	Programme at a Professional Football Club
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

26 Abstract

This research outlines how a neophyte sport psychology practitioner (SPP), working alongside a professional football coach, utilised video-analysis feedback within a six-month coach education programme at an elite level professional football club. Video-analysis feedback was primarily utilised to improve the coach's self-awareness in relation to his coaching practice. The intervention was also designed to support the integration of a psychosocial focus within the coaching context. Reflective accounts from both the neophyte SPP and the coach are provided. The reflections provide an insight into the efficacy of the intervention as well as presenting some of the challenges of delivering an intervention, such as this, within a professional football club. The use of video-analysis feedback provided the coach with an opportunity to reflect upon his coaching practice and as a result improve self-awareness of his coaching philosophy, especially in relation to the environment created within the coaching context and relationships developed with players.

Keywords (technology, development, reflection, coaching)

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

Use of Video-Analysis Feedback within a Six-Month Coach Education Programme at a

Professional Football Club

The use of video-analysis in sport has grown significantly in the last decade (Mackenzie & Cushion, 2013) and has been recognised as integral, not only for the development of the players, but also for the purpose of coach education (Groom, Cushion & Nelson, 2011; Nelson & Groom, 2012). However, despite this, the use of video-analysis as a tool for coaches' development remains unclear (Barlett, 2001) and research investigating performance analysis for this purpose requires much more attention (Reeves & Roberts, 2013). Historically the purpose of performance analysis feedback has been to reduce the coaching process down into measurable behaviours (Partington, Cushion, Cope & Harvey, 2015), as opposed to considering it as a whole. As a result, coaches are not encouraged to reflect on how they as an individual impact upon the coaching context. Breaking the coaching process down into measurable behaviours, fails to highlight the importance of the social interactions that occur between the coach and their players (Cushion, 2007). Furthermore, it is apparent that coaches' attitudes towards performance analysis, for the purposes of selfreflection, are divided. Whilst some coaches actively seek feedback from others, and are willing to adapt their coaching philosophies, others refuse to 'buy-in' to the process, and as a result, fail to progress and develop (Reeves & Roberts, 2013).

Given the high-pressured environment created within professional football academies and considering the high turnover of staff (Partington, et al., 2015) coaches may choose to use 'safer', more traditional, tried and tested methods within their coaching practices in order to successfully demonstrate their expertise (Cushion, Ford & Williams, 2012). However, in order for coaches to have the best chance of producing players capable of playing within the Premier League - the pinnacle of English football, it is essential they continuously adapt and develop their coaching practices over time. This can only be achieved by encouraging

coaches to reflect (Cushion, Harvey, Muir & Nelson, 2012), understand their current thoughts and behaviours (Harvey, Cushion & Massa-Gonzalez, 2010) and as a result prevent the culture of professional football from becoming stagnant (Abraham, Collins & Martindale, 2006). By engaging in reflective practice, coaches are able to develop self-awareness and as a result better understand and change their current behaviours (Leduc, Culver, & Werthner, 2012). In that sense, this research outlines how video-analysis feedback was utilised within a 6-month coach education programme in order to encourage reflection and increase the self-awareness of a coach at a professional football club. In addition to this, the intervention was designed to support the integration of a psychosocial focus within the coaching context.

Reflective accounts from the perspective of both the sport psychology practitioner (SPP) and the coach are highlighted to provide an insight into the challenges of delivering an intervention, such as this, within a professional football club.

Coaching and Self-Awareness

It has been reported that coaches often lack self-awareness regarding their coaching practice and philosophy (Lyle & Cushion, 2010). Research has found that coaches regularly highlight the importance of developing the 'whole player', with particular emphasis placed on developing the ability of their players to make decisions and be creative (Wright & Forrest, 2007). Despite this, their coaching practices often do not align with their beliefs and values (Partington & Cushion, 2013). In actuality, coaches often do not provide their players with the opportunity to explore and make decisions within their coaching sessions.

Furthermore, coaches often rely more on instruction as opposed to providing their players with the opportunity to ask and answer questions. Coaches that do ask questions, very rarely encourage their players to develop a level of critical thinking, due to the nature of the questions being asked and the demands they place on their players for a quick response (Cope, Partington, Cushion & Harvey, 2016). Integrating video-analysis within the coaching

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

context has been found to encourage self-reflection and as a result challenge coaches to closely consider their coaching philosophy and practice as a whole (Groom, Cushion & Nelson, 2011).

Given that coaching is a complex interplay between thought and action, it is essential for any coach education programme to acknowledge the interaction between observable behaviours and the cognitive process that precedes it (Cushion et al., 2012). Video-analysis feedback provides practitioners and coaches with a platform to achieve this. Coaches are able to view their coaching behaviours and critically reflect on these behaviours, whilst explaining their decisions. If facilitated within a supportive environment, video-analysis feedback can encourage reflection, increase self-awareness and have a direct impact on coaching practice. Video-analysis can also provide coaches with a greater awareness of the nature of the coachathlete relationship (Groom et al., 2011), encouraging them to reflect and consider how they interact with their players (Cushion & Jones, 2006) to implement a more player centred approach. Furthermore, it can also highlight the importance that trust and respect have in creating a positive learning environment (Cassidy, Jones & Potrac, 2009). Partington et al. (2015) investigated the impact video-feedback had on the reflection and coaching practices of five English youth coaches. This individual longitudinal approach provided the coaches with an opportunity to significantly change their coaching behaviours in areas such as instruction, questioning and feedback as a result of their increased self-awareness in relation to their coaching practice. Clearly then, video-analysis used for the purpose of coach development has the ability to increase self-awareness and ultimately enhance learning and development.

Coaching Context

It has been suggested that coaches value the developmental opportunities they are presented with in their day-to-day work more than the opportunities provided to them whilst engaged in formal coach education (Werthner & Trudel, 2006). Whilst these coach education

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

142

143

144

145

146

147

programmes are essential for the development of elite coaches, they are often criticised for lacking authenticity regarding the context in which they are delivered (Mallett et al., 2009) and for not considering the challenges most important to each individual coach (Nelson, Cushion & Potrac, 2006). Coaches are rarely given the opportunity to learn and develop within their own club's environment and as a result coaching courses may fail to foster longlasting change. On the other hand, everyday learning experiences can often be overlooked due to the increasing demands placed on elite coaches working within professional football. When these learning opportunities are recognised, they are often limited in direction and rarely include constructive feedback (Mallett, Trudel, Lyle & Rynne, 2009). Nevertheless, these challenges can be overcome by providing coaches with the appropriate support and resources to ensure that their development is consistently prioritised. In that sense, it could be argued that SPP are uniquely placed to provide coaches with this support and it has been suggested that the use of video feedback can 'bridge the gap' between themselves and the coach (Ives, Straub & Shelley, 2002). Furthermore, SPP are able recognise the importance of viewing the coaching process holistically and on an individual basis (Partington & Cushion, 2013). Hence, this 6-month coach education programme was designed and delivered by the SPP, ensuring the views and needs of the coach were considered within the broad and unique environment that existed at the club.

141 Research Context

This intervention took place at an English, Category One, Premier League Academy. The Premier League is the pinnacle of professional football in England and is recognised as one of the best leagues on the global platform. The ultimate aim of football academies across the globe is to produce individuals capable of playing first team professional football (Relvas et al., 2010; The Premier League Elite Player Performance Plan (EPPP), 2011). In order to successfully achieve this, academy programmes provide specialised support in areas such as:

coaching, sport science, physiotherapy, performance analysis and sport psychology. The structure of these academies ensures that this professional support is delivered across three distinct phases; the Foundation Phase (under 5 to under 11), the Youth development Phase (under 12 to under 16) and the Professional Development Phase (under 17 to under 21) (EPPP, 2011). This intervention was delivered to one of the coaches within the Youth Development Phase of the academy structure.

The Coach

At the time the intervention took place, the coach (author three), was coaching the U12's group within the Youth Development Phase of the academy. Jamie holds the F.A. level 4 (UEFA A licence), Advanced Youth Award and has an undergraduate degree in 'Sport Leisure and Management'. He had 12 years of coaching experience within professional football and at the time of the intervention had been coaching at the current club for one year.

Neophyte Sport Psychology Practitioner

At the time the intervention took place, I (author one), aged 22, was in the final stages of completing my MSc in Sport Psychology. I held the F.A. level 3 (UEFA B) coaching qualification, all three Youth Modules and had six years experience of coaching football at the grassroots level. The placement at the club lasted for six months and was part of my MSc programme. During my time at the club, my supervisor (author four) facilitated the placement and supported the delivery of the intervention. The delivery of psychological support was in its infancy at the club and this intervention was designed to highlight the importance of delivering psychological interventions within the coaching context, to reinforce a hands on performance-orientated perspective, as opposed to a classroom based delivery approach. The reflections presented are designed to provide an insight into my development over the course of a six-month period and the efficacy of the intervention itself.

The Intervention

The primary aim of the intervention was to increase Jamie's self-awareness in relation to his coaching practice and encourage him to critically reflect upon his coaching philosophy in relation to his practical delivery. The secondary aim of the intervention was to enhance Jamie's ability to integrate a psychosocial focus within the coaching context delivered over a six-month period. A focus on the psychosocial development of youth players has been largely ignored (Harwood, Barker and Anderson, 2015) and so the 5Cs (Confidence, Commitment, Communication, Concentration and Control) (Harwood, 2008), were utilised to ensure the desired aims of the intervention were met. Performance analysis equipment was utilised to capture the coaching sessions that Jamie delivered with a group of players within the Youth Development Phase (12-16) of the academy and an online platform was created to store and access this video footage. The intervention consisted of four key steps that are outlined below. Collectively, all four steps were designed to meet both the primary and secondary aims of the intervention.

Step 1: Coach and Player Observation

To ensure the intervention met the individual needs of the coach, I spent the first four weeks observing Jamie, both on and off the pitch, in order to better understand him as both a person and a coach. This also provided me with an opportunity to observe the players in both training and in games. Jamie, who actively viewed me as an extension of the 'coaching team', was keen to get my views on both his delivery and the players' development needs.

Therefore, we discussed and agreed upon individual targets for each of the players in relation to one aspect of the 5Cs. The players were then made aware of these targets and encouraged to focus on this aspect of their development over the next six weeks. After each six-week cycle, both Jamie and myself, with involvement from each player, made a decision, as to whether the player should retain this target or be given a different psychosocial focus. This

step was essential to the success of the intervention, as it encouraged Jamie to focus on the holistic needs of his players and better understand the importance a psychosocial focus could have on the long-term development of youth players - in line with his coaching philosophy. Moreover, it provided me with an opportunity to observe Jamie's delivery and begin to build a relationship with him, which would be essential to the success of the intervention moving forwards (Giges, Pepitas & Vernacchia, 2004).

Step 2: Integrating the 5Cs

Each element of the 5Cs framework were integrated alongside an aspect of the club's coaching philosophy that was deemed to be a 'best fit'. Confidence was combined with 'Playing Out from The Back', Communication was combined with 'Playing Through Midfield', Control was combined with 'Playing in the Final Third', Concentration was combined with 'Transition' and Commitment was combined with 'Defending Principles '. In a six-week cycle, this allowed each psychological topic to be coached and ensured that every individual within the group had an opportunity to develop all areas of the 5Cs, as well as focus on their own target area. Within the *Appendix* there are examples of coaching sessions that were used as part of this six-month intervention. The five coaching sessions highlight how each of the 5C's were integrated alongside the technical/tactical focus. In addition to this, they provide examples of interventions used to develop these psychosocial qualities in the players. The sixth week was dedicated to game related practices, allowing the players to demonstrate their understanding of the topics that had been delivered in the weeks prior.

Step 3: Capturing the Coaching Sessions

After the initial four-week observation period, all of the coaching sessions were then recorded. We utilised video-analysis equipment and the video and audio footage produced were edited to highlight aspects of the coaching session that demonstrated 'best practice'.

This edited footage focused on a number of aspects: the use of psychosocial interventions

within the coaching session, the players' responses to these challenges, the environment Jamie created within the coaching context and the interactions and relationships he had and was able to build with his players. This video footage became the foundation of the intervention and was regularly used to facilitate debate and discussion. Moreover, this video footage was uploaded onto an online platform, where all coaches within the academy could access it for educational purposes, regarding 'best practice' of how to integrate psychosocial interventions within their coaching practice. After accessing this online platform, a number of other coaches requested the same video-analysis feedback from their own sessions, giving the education programme the potential to extend beyond one coach in isolation and have more of an impact on an organisational level.

Step 4: Reflection

Jamie and I then dedicated time together to review the video footage and reflect on what went well, as well as identify areas that could be improved. Initially these reflections followed a rigid structure in line with the cyclical process of action research (Knowles, Gilbourne, Borrie & Nevill, 2001). Action research is often associated with changes to context specific practice, as it encourages practitioners to plan, observe and reflect upon their current behaviours. Reflecting on current practices provides practitioners with an opportunity to explore good practice, as well as identifying areas that require change. Furthermore, if done as part of a group, practitioners are able to create new understanding, which can potentially have an impact upon their practice (Knowles et al., 2001). Jamie and I were able to dedicate time after each session to discuss our views of the days coaching sessions. During these sessions, we would both watch the footage together and then I would provide Jamie with an opportunity to express his thoughts, before offering my own. We would often discuss his beliefs and values regarding his coaching philosophy, the long-term development and progression of his players and elements that needed to change for the following day. As these

249

250

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

sessions became common practice, they became more flexible in structure and would often extend beyond the coaching context and include our thoughts in relation to the culture of professional football and youth development as a whole.

251 Reflective Practice

Reflective practice is an integral part of learning and development as it provides individuals with an opportunity to better understand themselves as both people and practitioners (Anderson, Knowles & Gilbourne, 2004) within the context in which they are situated (Nesti, Littlewood, O'Halloran, Eubank and Richardson, 2012). Furthermore, the development of self-awareness allows an individual to recognise and understand their own beliefs and values (Thompson & Pascal, 2012) and critically challenge these values in relation to their current practices (Knowles et al., 2001). However, the voice of the neophyte practitioner (Tonn & Harmison, 2004) is not well reflected within the literature. Despite recent attempts to fill this gap (Christensen & Aoyagi, 2015; Jones, Evans & Mullen, 2007; Rowley, Earle & Gilbourne, 2012; Williams & Andersen, 2012), there remains a lack of understanding regarding the diverse challenges a neophyte practitioner might experience within professional practice (Holt & Strean, 2001), especially when working alongside a professional coach. In that sense, the following sections include the reflections from the coach and neophyte SPP, written from a first-person perspective. These reflective accounts give an insight into the efficacy of the work as well as highlighting some of the challenges of applied sport psychology delivery within professional football.

Coach's Reflections

Prior to this six-month journey, given my extensive coaching experience within a variety of professional football academies, I felt I already had a strong sense of who I was as a coach and of my coaching philosophy. I am a strong advocate that the role of an academy coach is to facilitate the long-term holistic development of players and people. I aspire to

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

create the right environment for my players, which fosters a positive coach-athlete relationship (Groom et al., 2011), prioritises development over performance and puts the player at the centre of everything that I do (Cushion & Jones, 2006). However, at some of the previous professional football clubs that I have worked, the coaching curriculum had been dominated by a technical and tactical focus. Whilst these areas are essential for the development of professional footballers, I felt as though the biggest areas in football were being missed – the social and psychological corners. The 'Advanced Youth Award' was the first course that moved away from the more traditional style of coaching and whilst I felt this was a step in the right direction, I wanted to place even more emphasis on the social and psychological corners of development within my everyday coaching (Werthner & Trudel, 2006). By utilising video-analysis equipment within my coaching practice at the club, I was able to see the connection I had with my players, as well as observe how integrating a psychosocial focus was positively contributing towards their development. It also provided me with the time and structure to reflect on my own coaching philosophy and practice, taking more of a long-term approach in relation to my own development and the development of my players. The questions posed to me and the different perspective this provided, encouraged me to try new things and take more risks within my coaching practice. Too often, because of the pressure of academy football, coaches are afraid to try new things (Cushion, Ford & Williams, 2012; Partington, et al., 2015). However, despite this pressure, it is vital to have a growth mind-set and be open to trying new things, in order to progress and develop as a coach (Abraham, Collins & Martindale, 2006). I believe that some coaches might have viewed a SPP with a camera as a threat. However, over the course of this six-month programme, Nick and I were able to build a strong professional relationship, based on trust and respect (Giges, Pepitas & Vernacchia, 2004), which gave me the confidence to adapt and develop upon my coaching practice. Nick became an integral part of the 'coaching team' and

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

so successfully overcame the stereotypical view that the SPP wears a suit and tie, sits in an office and asks you how you are feeling!

The reflective process that we engaged in whilst using the video-analysis equipment was effective in highlighting the strengths of my coaching delivery, as well as identifying aspects that needed to be adapted and changed (Knowles et al., 2001). Furthermore, by engaging in this process, I was able to see if my coaching philosophy transferred into the coaching context. Having every coaching session recorded, over a six-month period, essentially leaves you with 'nowhere to hide'. Therefore, this process made me aware of aspects of my coaching that I was not aware of before, such as the nature of the relationships I developed with my players and the environment I created for my players to learn in (Cassidy, Jones & Potrac, 2009). Moreover, the intervention itself acted as a vehicle for me to build stronger relationships with my players, which is central to my coaching philosophy and practice. It also encouraged me to ask more questions of myself, in relation to the long-term development of my players. Why were these sessions important? How did this approach align with my coaching philosophy? Gladly, overall, my coaching behaviours reinforced my coaching philosophy and gave me confidence that I was able to implement my values and beliefs in the coaching context on a regularly basis. On the occasions where there were contradictions between my philosophy and my coaching behaviours, the video footage clearly highlighted them and the opportunity I had to reflect on these moments, ensured they could be adapted the following day. Ultimately, I strongly believe that this intervention had a positive impact on my coaching. I was able to improve my self-awareness in relation to my coaching philosophy and practice, integrate a psychosocial focus within my sessions and as a result, focus on the holistic development of my players. The final game of the season, which marked the end of the six-month journey, resulted in our biggest win, against a very good

academy team. However, more importantly, we were able to see noticeable progression and development in both the players and myself as a coach.

SPP's Reflections

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

In the days leading up to the start of the placement, I was filled with two strong but contradictory feelings: confidence and anxiety. Given my coaching qualifications and experience, combined with my theoretical understanding of sport psychology literature, I had a strong sense of confidence in my ability to successfully meet the demands of the placement (Woodcock, Richards & Mugford, 2008). Furthermore, given the quality of my training up until this point, I had clear expectations of the potential challenges I would likely be presented with within this elite environment. However, I was also experiencing anxiety, common for neophyte practitioners engaging in applied practice (Tonn & Harmison, 2004; Collins, Evans-Jones & O'Connor, 2013). This was my first opportunity to transfer my knowledge into a practical setting and given my ambitions as a practitioner, I had begun to attach a huge amount of importance to this experience. Whilst my supervisor had made his expectations clear in relation to the delivery of the intervention, I still had ambitions to 'change the world' (Christensen & Aoyogi, 2015). The delivery of sport psychology services was in its infancy at the club and from my perspective; this placement gave me my first opportunity to 'prove' myself as a practitioner (Andersen &, 2007). Despite this and with the cautionary words of my supervisor still in the forefront of my mind, I was very aware that before I could successfully achieve anything, I first had to understand the environment in which I would be situated (Nesti et al., 2012). I approached the beginning of the placement in the knowledge that I needed to take my time, understand the culture of the club and build strong relationships with key stakeholders in order to provide a solid foundation for the development of the intervention.

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

It was in these early stages of the intervention that I began to truly understand and appreciate the importance of my coaching background. Whilst observation is a key element of an applied SPP's role (Larsen, 2017), essentially I was being asked to take on the role of an assistant coach within this context. Jamie made it very clear from the start that he wanted me alongside him, on the grass, to act as another set of eyes for his group of players, highlighting their strengths and weaknesses and contributing towards their overall holistic development. Therefore, it was essential for me to be adaptable (Collins et al., 2013), whilst also establishing and developing a clear practitioner identity (Tonn & Harmison, 2004). Whilst undertaking multiple roles within an applied setting is becoming more common within applied practice (Jones, Evans & Mullen, 2007), it did begin to have an impact on my ability to find a balance between my personal and professional lives (Williams & Andersen, 2012). Furthermore, whilst I was comfortable at this point to take on this flexible coach/SPP role, I did experience a strong sense of anxiety when providing Jamie with my view of his players' development needs. Despite my early confidence stemming from my coaching background, the pressure I was putting myself under to 'succeed' within this elite environment was causing me to second-guess myself (Aoyagi & Portenga, 2014). It was essential for me, especially in these early stages, to develop a strong working relationship with Jamie to ensure the success of the intervention and because of this I began to doubt my ability as a practitioner to provide Jamie with any information that would be useful in contributing towards his and his players' development. Jamie had a vast amount of experience coaching at a professional level and my knowledge and experiences in comparison to his left me feeling fraudulent (Andersen & Stevens, 2007). However, despite the self-doubt I was experiencing (Williams & Andersen, 2012), I was able to maintain a level of honesty in my assessment, which I firmly believe contributed towards the start of what would be a strong working

alliance (Collins, et al., 2013) based on trust and respect (Giges, Pepitas & Vernacchia, 2004).

The more time I spent with Jamie, the more it was becoming apparent that we had very similar beliefs and values in relation to how we felt the culture and environment of professional football should 'look' and it wasn't long before the critical discussions we were having about the intervention, extended to the 'failings' of professional football as a whole. Jamie was and still is a very forward-thinking and open-minded individual, with a clear vision and determination to improve and develop as a coach. As a young aspiring neophyte practitioner, I could strongly relate to this approach of personal development and could see a number of similar qualities in myself. This connection, on both a personal and professional level, gave Jamie and me the opportunity to share our thoughts in a safe, critical and constructive way. It was during these quiet moments of reflection and discussion, which often involved my supervisor, that for the first time in my professional career I experienced a true sense of congruence (Lindsay, Breckon, Thomas & Maynard, 2007).

However, in complete contrast to this feeling of congruence, was the feeling that on some levels, the placement outcomes had failed to meet my own high expectations. Upon reflection, it became apparent to me that these two strong competing feelings stemmed from the same source: my developing philosophy as an applied practitioner (Poczwardowski, Sherman & Ravizza, 2004). As many neophyte practitioners do, I took inspiration from my supervisors, which undoubtedly had an influence on the development of my philosophy of practice as an applied practitioner (Tod, 2007). Both of my supervisors were strong advocates of the organisational approach a SPP can adopt in order to positively affect the culture of professional sporting organisations. Having had an opportunity to work closely with them

and watch how this approach translates into professional practice, I too had aspirations to work from this organisational perspective.

However, despite the fact that the intervention had been a success in achieving its primary and secondary aims, I deemed myself to have had very little impact on the environment of the club. I had worked hard, not only facilitating reflection and supporting the integration of a psychosocial focus within the coaching context, but on creating an online platform that other coaches could use as a developmental tool. As the six-month period was coming to an end I could count on one hand the number of coaches that had accessed that online platform. My supervisor's input was crucial at this point (Holt & Strean, 2001) in helping me overcome these feelings of failure and inadequacy (Christensen & Aoyagi, 2015) and encouraging me to focus on the many positive outcomes of the intervention.

Delivering this intervention, as a neophyte practitioner within the often-volatile environment of professional football, was an extremely challenging and rewarding experience, which undoubtedly contributed towards my on-going development as a practitioner. Upon reflection, this applied experience, in such a short period, exposed me to situations that helped shape my philosophy of practice, challenged my identity as a practitioner and highlighted the importance of understanding the culture of a professional sporting organisation. Initially, it was perhaps my naivety in relation to the organisational culture of the club and my unrealistic expectations about the outcome of the intervention, which contributed towards feelings of failure and inadequacy. I soon came to realise, in line with the experiences of other SPP that having a professional philosophy is not enough in applied practice and the role of a SPP is to understand how this philosophy can adapt and fit into the wider context (Larson, 2017). At this point in my career and in such a short space of time, it was beyond my capabilities as a neophyte practitioner to change the culture of the

football club. However, I believe I was able to create smaller significant changes within the boundaries of the designed intervention. By integrating video-analysis feedback, particularly within the early stages, I was able to build strong relationships (Ives et al., 2002) with key stakeholders, which gave me a platform to engage in critical discussion throughout my time at the club. Combining my coaching experience with my understanding on sport psychology literature allowed me to develop a fluid practitioner identity within this context. The multiple roles I adopted throughout my time at the club ensured the aims of the intervention were met; Jamie was provided with an opportunity to increase his self-awareness in relation to his coaching practice, a psychosocial focus was successfully integrated within the coaching context and the holistic development of the players was considered.

427 Conclusion

The primary aim of this six-month coach education programme was to improve the self-awareness of the coach by utilising video-analysis feedback, within the coaching context, to encourage reflection upon his coaching philosophy. In addition to this, the secondary aim of the intervention was to integrate a psychosocial focus within the coaching context, in order to focus on the holistic long-term development of the players. As highlighted in the above reflections, both the SPP and the coach reflected positively on the efficacy of the intervention, believing it to have been successful in meeting the primary and secondary aims within the six-month period. Key to the success of the intervention, discussed by both practitioners, was the professional relationship developed between the SPP and the coach. It is becoming more common, within applied sport psychology practice, for the SPP to work collaboratively with the coach (Sharp & Hodge, 2013), as opposed to working directly with the athlete. In order for this work to be effective, the SPP must take the time to understand the individual needs of the coach and focus on building a strong professional relationship (Giges, Pepitas & Vernacchia, 2004). The SPP must be flexible in their approach to the consultancy

experience and needs to demonstrate an ability to be able to embed themselves within the culture of the club (Sharp & Hodge, 2013). The use of technology throughout this intervention, not only provided the SPP with the opportunity to achieve this, but also was integral in facilitating the reflective process. Rather than breaking the coaching process down into measurable behaviours, this intervention encouraged the coach to reflect on the video-analysis feedback as a whole, considering the influence they had on the environment coaching process. The structure of the reflections (Knowles et al., 2001), which were facilitated by the SPP, ensured that the coach had the opportunity to explain their coaching behaviours and as a result this intervention was able to closely consider the interaction between coaching behaviours and the decision making process (Cushion et al., 2012).

In this new and advanced technological age, SPPs should strongly consider the use of video-analysis equipment within their applied practice with coaches. Whilst integrating technology within applied practice can be time-consuming, it acts as a vehicle to be able to build strong relationships (Ives, Straub & Shelley, 2002) and is perhaps one method of providing 'proof' that the SPP is positively impacting on development and performance within the sporting organisation. The development of coach education programmes should be developed within the context in which they will be delivered and utilise the video-analysis feedback to view the coaching process as a whole. Ultimately, this approach to applied sport psychology support can be extremely effective and is often well received within elite sporting environments.

466	References
467	Abraham, A., Collins, D., & Martindale, R. (2006). The coaching schematic: Validation
468	through expert coach consensus. Journal of Sports Sciences, 24(6), 549-564.
469	doi:10.1080/02640410500189173
470	Anderson, A. G., Knowles, Z., & Gilbourne, D. (2004). Reflective Practice for Sport
471	Psychologists: Concepts, Models, Practical Implications, and Thoughts on
472	Dissemination. <i>The Sport Psychologist</i> , 18(2), 188–203. doi:10.1123/tsp.18.2.188
473	Andersen, M. B., & Stevens, L. (2007). On being a fraud. Sport and Exercise Psychology
474	Review, 3(2), 43-46.
475	Aoyagi, M.W., & Portenga, S.T. (2014). Five ring fever: Ethical considerations when
476	consulting with Olympic athletes. In E. Etzel & J.C. Watson (Eds.), Ethical issues in
477	sport, exercise, and performance psychology (pp. 61-73). Morgantown, WV: Fitness
478	Information Technology.
479	Barlett, R. (2001). Performance analysis: can bringing together biomechanics and notational
480	analysis benefit coaches? International Journal of Performance Analysis in Sport, 1(1)
481	122–126. doi:10.1080/24748668.2001.11868254
482	Collins, R., Evans-Jones, K., & O'Connor, H. L. (2013). Reflections on Three Neophyte
483	Sport and Exercise Psychologists' Developing Philosophies for Practice. The Sport
484	Psychologist, 27(4), 399-409. doi:10.1123/tsp.27.4.399
485	Cassidy, T. G., Jones, R. L., & Potrac, P. (2008). Understanding sports coaching: The social,
486	cultural and pedagogical foundations of coaching practice. Routledge.
487	Cope, E., Partington, M., Cushion, C. J., & Harvey, S. (2016). An investigation of
488	professional top-level youth football coaches' questioning practice. Qualitative

489	Research in Sport, Exercise and Health, 8(4), 380–393.
490	doi:10.1080/2159676x.2016.1157829
491	Cushion, C. (2007). Modelling the Complexity of the Coaching Process. <i>International</i>
492	Journal of Sports Science & Coaching, 2(4), 395–401.
493	doi:10.1260/174795407783359650
494	Cushion, C., & Jones, R. L. (2006). Power, Discourse, and Symbolic Violence in Professional
495	Youth Soccer: The Case of Albion Football Club. Sociology of Sport Journal, 23(2),
496	142–161. doi:10.1123/ssj.23.2.142
497	Cushion, C., Ford, P. R., & Williams, A. M. (2012). Coach behaviours and practice structures
498	in youth soccer: Implications for talent development. Journal of Sports Sciences,
499	30(15), 1631–1641. doi:10.1080/02640414.2012.721930
500	Cushion, C., Harvey, S., Muir, B., & Nelson, L. (2012). Developing the Coach Analysis and
501	Intervention System (CAIS): Establishing validity and reliability of a computerised
502	systematic observation instrument. Journal of Sports Sciences, 30(2), 201–216.
503	doi:10.1080/02640414.2011.635310
504	Giges, B., Petitpas, A. J., & Vernacchia, R. A. (2004). Helping Coaches Meet Their Own
505	Needs: Challenges for the Sport Psychology Consultant. The Sport Psychologist, 18(4),
506	430–444. doi:10.1123/tsp.18.4.430
507	Groom, R., Cushion, C., & Nelson, L. (2011). The delivery of video-based performance
508	analysis by England youth soccer coaches: towards a grounded theory. Journal of
509	applied sport psychology, 23(1), 16-32. doi:10.1080/10413200.2010.511422

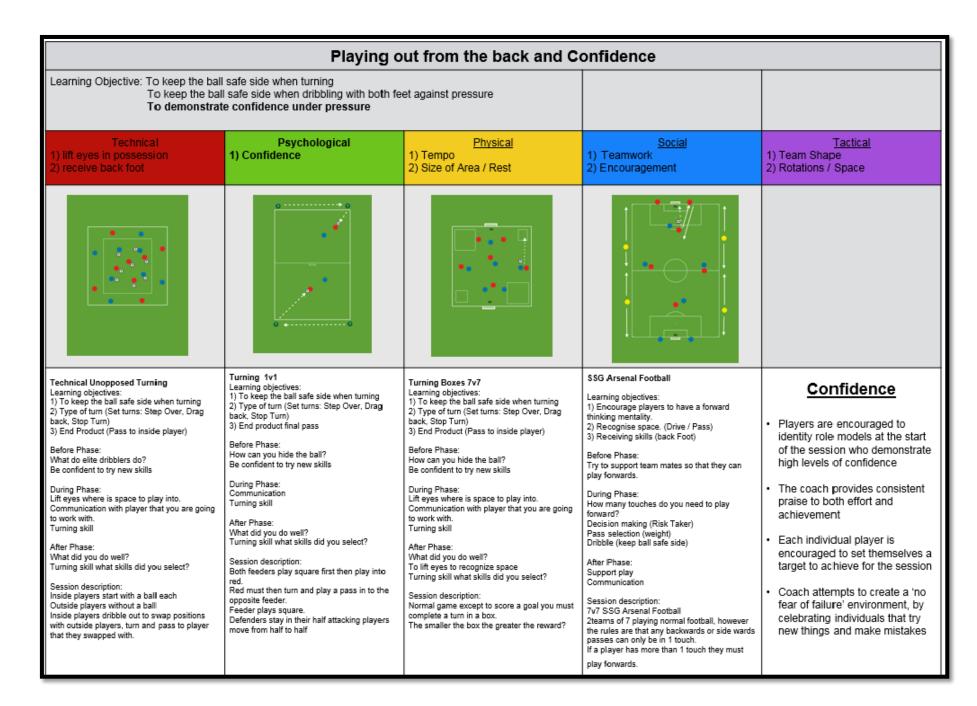
Harvey, S., Cushion, C. J., & Massa-Gonzalez, A. N. (2010). Learning a new method: 510 Teaching Games for Understanding in the coaches' eyes. Physical education and sport 511 pedagogy, 15(4), 361-382. doi:10.1080/17408980903535818 512 513 Harwood, C. (2008). Developmental consulting in a professional football academy: The 5Cs coaching efficacy program. The Sport Psychologist, 22(1), 109-133. 514 doi:10.1123/tsp.22.1.109 515 Harwood, C. G., Barker, J. B., & Anderson, R. (2015). Psychosocial Development in Youth 516 Soccer Players: Assessing the Effectiveness of the 5Cs Intervention Program. The Sport 517 Psychologist, 29(4), 319-334. doi:10.1123/tsp.2014-0161 518 Holt, N. L., & Strean, W. B. (2001). Reflecting on Initiating Sport Psychology Consultation: 519 A Self-Narrative of Neophyte Practice. *The Sport Psychologist*, 15(2), 188–204. 520 doi:10.1123/tsp.15.2.188 521 Ives, J. C., Straub, W. F., & Shelley, G. A. (2002). Enhancing Athletic Performance Using 522 Digital Video in Consulting. Journal of Applied Sport Psychology, 14(3), 237–245. 523 doi:10.1080/10413200290103527 524 525 Jones, L., Evans, L., & Mullen, R. (2007). Multiple Roles in an Applied Setting: Trainee Sport Psychologist, Coach, and Researcher. The Sport Psychologist, 21(2), 210–226. 526 doi:10.1123/tsp.21.2.210 527 528 Knowles, Z., Gilbourne, D., Borrie, A., & Nevill, A. (2001). Developing the Reflective Sports Coach: A study exploring the processes of reflective practice within a higher 529 education coaching programme. Reflective Practice, 2(2), 185–207. 530 doi:10.1080/14623940123820 531

532	Larsen, C. H. (2017). Bringing a knife to a gunfight: A coherent consulting philosophy might
533	not be enough to be effective in professional soccer. Journal of Sport Psychology in
534	Action, 8(2), 121–130. doi:10.1080/21520704.2017.1287142
535	Leduc, M., Culver, D. M., & Werthner, P. (2012). Following a coach education programme:
536	Coaches' perceptions and reported actions. Sports coaching review, 1(2), 135-150.
537	Lindsay, P., Breckon, J. D., Thomas, O., & Maynard, I. W. (2007). In Pursuit of Congruence:
538	A Personal Reflection on Methods and Philosophy in Applied Practice. The Sport
539	Psychologist, 21(3), 335-352. doi:10.1123/tsp.21.3.335
540	Lyle, J., & Cushion, C. (2010). Sports Coaching E-Book: Professionalisation and Practice.
541	Elsevier Health Sciences.
542	Mackenzie, R., & Cushion, C. (2013). Performance analysis in football: A critical review and
543	implications for future research. Journal of Sports Sciences, 31(6), 639-676.
544	doi:10.1080/02640414.2012.746720
545	Mallett, C. J., Trudel, P., Lyle, J., & Rynne, S. B. (2009). Formal vs. Informal Coach
546	Education. International Journal of Sports Science & Coaching, 4(3), 325–364.
547	doi:10.1260/174795409789623883
548	Nelson, L. J., Cushion, C. J., & Potrac, P. (2006). Formal, Nonformal and Informal Coach
549	Learning: A Holistic Conceptualisation. International Journal of Sports Science &
550	Coaching, 1(3), 247–259. doi:10.1260/174795406778604627
551	Nelson, L. J., & Groom, R. (2012). The analysis of athletic performance: some practical and
552	philosophical considerations. Sport, Education and Society, 17(5), 687-701.
553	doi:10.1080/13573322.2011.552574

554	Nesti, M., Littlewood, M., O'Halloran, L., Eubank, M., & Richardson, D. (2012). Critical
555	Moments in Elite Premiership Football: Who Do You Think You Are? Physical
556	Culture and Sport. Studies and Research, 56(1). doi:10.2478/v10141-012-0027-y
557	Partington, M., & Cushion, C. (2013). An investigation of the practice activities and coaching
558	behaviors of professional top-level youth soccer coaches. Scandinavian Journal of
559	Medicine & Science in Sports, 23(3), 374–382. doi:10.1111/j.1600-0838.2011.01383.x
560	Partington, M., Cushion, C. J., Cope, E., & Harvey, S. (2015). The impact of video feedback
561	on professional youth football coaches' reflection and practice behaviour: a
562	longitudinal investigation of behaviour change. Reflective Practice, 16(5), 700-716.
563	doi:10.1080/14623943.2015.1071707
564	Poczwardowski, A., Sherman, C. P., & Ravizza, K. (2004). Professional Philosophy in the
565	Sport Psychology Service Delivery: Building on Theory and Practice. The Sport
566	Psychologist, 18(4), 445–463. doi:10.1123/tsp.18.4.445
567	Reeves, M. J., & Roberts, S. J. (2013). Perceptions of performance analysis in elite youth
568	football. International Journal of Performance Analysis in Sport, 13(1), 200-211.
569	Relvas, H., Littlewood, M., Nesti, M., Gilbourne, D., & Richardson, D. (2010).
570	Organizational Structures and Working Practices in Elite European Professional
571	Football Clubs: Understanding the Relationship between Youth and Professional
572	Domains. European Sport Management Quarterly, 10(2), 165–187.
573	doi:10.1080/16184740903559891
574	Rowley, C., Earle, K., & Gilbourne, D. (2012). Practice and the process of critical learning:
575	Reflections of an early stage practitioner working in elite youth level rugby league.
576	Sport & Exercise Psychology Review, 8(2), 35-50.

Sharp, L.-A., & Hodge, K. (2013). Effective Sport Psychology Consulting Relationships: 577 Two Coach Case Studies. The Sport Psychologist, 27(4), 313–324. 578 doi:10.1123/tsp.27.4.313 579 580 The Premier League (2011). Elite Player Performance Plan. London: The Premier League. Thompson, N., & Pascal, J. (2012). Developing critically reflective practice. Reflective 581 Practice, 13(2), 311–325. doi:10.1080/14623943.2012.657795 582 Tod, D. (2007). The Long and Winding Road: Professional Development in Sport 583 Psychology. The Sport Psychologist, 21(1), 94–108. doi:10.1123/tsp.21.1.94 584 Tonn, E., & Harmison, R. J. (2004). Thrown to the Wolves: A Student's Account of Her 585 Practicum Experience. The Sport Psychologist, 18(3), 324–340. 586 doi:10.1123/tsp.18.3.324 587 Werthner, P., & Trudel, P. (2006). A New Theoretical Perspective for Understanding How 588 Coaches Learn to Coach. The Sport Psychologist, 20(2), 198–212. 589 doi:10.1123/tsp.20.2.198 590 Williams, D. E., & Andersen, M. B. (2012). Identity, Wearing Many Hats, and Boundary 591 592 Blurring: The Mindful Psychologist on the Way to the Olympic and Paralympic Games. Journal of Sport Psychology in Action, 3(2), 139–152. 593 doi:10.1080/21520704.2012.683090 594 Woodcock, C., Richards, H., & Mugford, A. (2008). Quality Counts: Critical Features for 595 Neophyte Professional Development. The Sport Psychologist, 22(4), 491–506. 596 597 doi:10.1123/tsp.22.4.491

598	Wright, J., & Forrest, G. (2007). A social semiotic analysis of knowledge construction and
599	games centred approaches to teaching. Physical Education & Sport Pedagogy, 12(3),
500	273–287. doi:10.1080/17408980701610201
501	
502	
503	
504	
JU- 1	
505	
506	
507	
808	
509	
510	
J10	
511	
512	
513	
)1J	
514	
515	Appendix



Playing Through Midfield and Communication Learning Objective: To make a run to create space for partner To be able to rotate/interchange to receive Demonstrate effective communication Social Technical Psychological Physical Tactical 1) Communication 1) Movement to create space 1) Teamwork 1) Overloads 2) Size of Area / Rest 2) Encouragement 2) Team shape Weaker foot challenges Communication Diamond Play around Midfield Combination 3 Zone Game Learning objectives: Learning objectives: Learning objectives: 1) Back foot receiving / Both feet 1) Movement to receive in a diamond 1) Scan before receiving 2) To play in limited touches 2) Weight of pass (detail of pass) 2) Recognise space to drive into Whiteboard used at the start of 3) Receiving skills 3) Supporting Run 3) Keep ball safe side the session to highlight the Before Phase: Before Phase: Before Phase: different types of communication How can you find space for yourself Where is your space before you receive? How can you find space for yourself? and why they are important Body shape to receive (Open) Scanning? Ball Familiarity / Do we only scan of one shoulder? During Phase: During Phase: What are we scanning for? How many touches do you need to play Multiple balls used at times Functional and How many touches do you need to move the within the sessions to create During Phase: Decision making (Risk Taker) What can help you? Who can help you? 'chaos' and encourage more Pass selection (weight) RWTB (keep ball safe side) conditioning Movement after pass Passing techniques detailed communication Receiving players trigger to move of the cone After Phase: After Phase: Support play 'Silent Soccer' to further After Phase: What did you do well? Communication Communication Did you manage to use all receiving skills? highlight the importance of Speed to follow pass / rotate Session description: communication 3 Zone Game Play through thirds Session description: Session description: Red plays into yellow diamond. Yellow GK starts the play Player moves the ball around the outside of the diamond combines and plays through into final Players can pass into next zone or safety diamond. (Progression 2 balls) Middle square possession link play every 4 Blue then play through yellow diamond. If ball is played into safety zone player is minutes the groups rotate. Progression all yellows must touch the ball Unopposed for 3 seconds. quick play combinations, rotation before next attack, 3rd man run to support front players.

Playing in the Final Third and Control Learning Objective: To be able to shoot accurately with the instep and laces from 10-15m with both feet under pressure To use a variety of shots accurately with a high level of success To maintain emotional control throughout the session, under pressure Social **Psychological** Physical Tactical 1) Teamwork 1) Overloads) Distances in attacking situations 1) Control 1) Movement to create space 2) Size of Area / Rest 2) Encouragement) Weaker foot challenges Team shape Transition Waves DNA 3 Ball Finishing Shooting Wars Control Learning objectives: Learning objectives: Learning objectives: 1) Movement to get free 1) To be able to shoot accurately with the 1) To be able to shoot accurately with the instep and laces 10-15 yards out with both feet instep and laces 10-15 with both feet under Detail of space in front Whiteboard used at the start of under pressure. 3) Recognize overload the session to identify positive 2) To use a variety of shots 4) Transition (nearest man closes the ball 2) To use a variety of shots accurately with a 3) To have accuracy with a high level of shots high level of success and negative emotions 3) To recognize where and when to use an associated with performance Before Phase: overload Before Phase: Correct body position How big can we make the space? Before Phase: Competition is created During Phase: Think about different shooting techniques During Phase: between groups in an attempt Body shape to play forward Can you accurately shoot at goal? to create pressure situations What shooting techniques could you use? Where is the overload? During Phase: Functional and Accuracy After Phase: After Phase: Movement after first shot The pace of the session, leads What did you do well? Reactions / follow up Rebounds Conditioning to mistakes, which tests the To lift eyes to recognize space Movement to receive a new ball Shot selection players ability to overcome Session Description: Session description: After Phase: adversity Green plays against yellow. When green score Yellow will shoot first in the middle. Support play Then from the right first red will supply a cross red drive out, yellow switch with red and green Communication into the goal area. Blue defenders will match react to the transition quickly. Players set challenging, the amount of yellow attackers. If red score then they will play against blue. Session description: individual goals (number of 3rd ball will be played in by the coach. Green would switch with blue. Two teams players are locked into 2 zones. goals to score) at the start of As soon as 3rd ball has been played run back Progression: Double goals are scored from back zone or Each team can be timed in possession. Score and start again each team will get 3 minutes to from a rebound of GK. the session will be kept, every goal gets a point. score as many goals as they can. Players are rotated every 4 minutes. (work as a team one player switching off could cost the team, which could result in lots of running and pressing)

Transitions and Concentration Learning Objective: Movement with and without the ball Receiving skills in transition from defense to attack Ability to identify key triggers for the transition Technical Psychological Physical Social Tactical 1) Overloads 1) Distances in attacking situations 1) Concentration Speed of recovery runs 1) Teamwork 2) Size of Area / Rest 2) Team shape Encouragement Figure 8 Passing Sweat Box Square Transition SSG 4v4 Transition Game Concentration Learning objectives: Learning objectives: Learning objectives: Learning objectives: 1) Detail of pass 1) React quickly to transition defending 1) Quick Transition 1) Recovery runs 2) Receiving skills 2) Get close to the radar 2) Security behind ball Consistently encourages the 2) Desire 3) Weight and Accuracy 3) Hard to beat in a 1v1 situation 3) Recovery Runs player to focus his attention both 3) Work Ethic 4) Passing Channels on and off the ball (scanning) Before Phase: Before Phase: Before Phase: Before Phase: Which teams break quickly? How can you find space for yourself? What passing techniques will you use? What do elite defenders do? In each session, there were Be confident! During Phase: During Phase: aspects that could distract the Quick reactions During Phase: Team strategy? How many touches do you need to play quickly During Phase: Where am I on the pitch? player and so they had to When driving out with the ball recognition of and accurately? Desire not be beaten! overloads recognise and attend to the Weight and accuracy of pass. After Phase: Brave correct cues at the right time End product. Recognition of overloads in After Phase: possession. After Phase: After Phase: Support play What did you do well? Recovery runs win the ball back out of Support play Communication Game related practices require Communication How did you hold the attacking player up? possession the players to focus on aspects Session description: Session description: Session description: Session description: specific to their position 4v4 game on a small pitch with GK's First player runs with the ball if he beats the Blue make at least 10 passes if they do they Figure 8 Passing As soon as a goal is scored then the scorer 1 passes to 2, 2 passes to 3, 3 will then punch middle man, a player from the side will then can break out and score. must go and switch with a man on the outside. The 'chaos' created within the pass to opposite colour. attack. Middle man must be switched on and If red intercept they look to link up with red an Players on the outside can be used as bounce Players will change sides after set time so that yellow to create an 8v4 against blue. show concentration. sessions, means that players players. On the 12th pass blue or yellow can have a they can work on weaker foot. If numbers are not correct for 4v4 then extra have to respond quickly to Progression: different type of pass. shot at goal players can be added to play in wide areas. Players can be rotated every 4minutes transitions and mistakes made Chip, lofted, driven, Blue will hunt as a four to win possession back. If blue win possession they get the chance to Bibs removed at times to further encourage players to scan and be aware of their environment

Defending and Commitment Learning Objective: To be patient when defending in 1v1 situations To mirror opponents feet To maintain effort throughout the session, despite fatigue, failure or mistakes Psychological Social Tactical 1) Commitment 1) Pressing 1) Teamwork 1) Team Shape) Mirror feet 2) Size of Area / Rest 2) Encouragement 2) 1 goes we all go Heading skittles 3v3 or 4v4 Heading Defensive Awareness SSG Defending Outnumbered Commitment Learning objectives: Learning objectives: Learning objectives: Learning objectives: 1) Work your feet to get in line to head the ball 1) Work your feet to get in line to head the ball 1) Pressing lines and shapes (Nike Tick) 1) Team shape 2) To use arms, neck, shoulders to head 2) To use arms, neck, shoulders to head 2) Distances 2) Recognize space 3) Recognize overload situations through the ball with your forehead through the ball with your forehead 3) Adjust as ball moves Players' effort is consistently 3) To show a mentality to head the ball in free 3) To show a mentality to head the ball in free 4) Drop on kicking foot going back rewarded throughout the session Before Phase: play. Before Phase: How can you find space for yourself? Before Phase: Before Phase: What do elite defenders do? Individual players are set What do elite players do when they Head the What do elite players do when they Head the Be confident! During Phase: specific and challenging targets When you have the extra player how can you During Phase: use the overload? within the session to encourage During Phase: During Phase: Commitment not be beaten! When you don't have the extra player what will persistent effort Encourage attacking headers, concentrate on Encourage attacking headers, concentrate on your team shape be? heading the ball down. heading the ball down. After Phase: Which is the best goal to score in? What did you do well? After Phase: Mistakes are acknowledged as Support play an opportunity to learn What part of your head made contact with the After Phase: Session description: Communication What did you do well? Practice starts with ball fed into 4v2 by T What part of your head made contact with the Individual challenges set throughout the Role models are identified so the ball? session by the coach focusing on the individual Session description: Can blue retain possession in end zone. players know what commitment One player will be standing behind the balls he If blue make 3 passes they can decide to either players targets and key learning objectives. 'looks like' will feed the ball to a player to head down to try Session description: break out and run through a gate or clip a ball One team will start with the ball as a team they and knock a ball off. into one of the three boxes. Defenders must be Session description: Relay game first team to knock all balls off ready to either intercept attacking player or will try and move the ball up the pitch. To score One team plays with 1 less player to you can score through the cones or into the drop to intercept lofted passes. If red intercepts encourage consistent commitment, despite wins. goal. Players will come up with their scoring they can play back into end zone or make long system for this. passes into the goal.