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**Redeveloping expertise in the transition from coach to coach education tutor.**


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### **Abstract**

The role of the tutor in delivering formal coach education is critical in understanding the professional preparation of sport coaches. The recruitment, development and retention of tutors with expertise is crucial to organisational success and has personal and professional implications for career transitions in coaching. This study focusses on teaching and learning experiences during the Initial Tutor Training of novice coach education tutors from a national sport governing body in the United Kingdom. Grenier and Kehrhahn's Model of Expertise Redevelopment is utilised as a theoretical tool to aid understanding of the transition from coaching to tutoring. Data were collected through document analysis, observations during and after initial tutor training and subsequent live delivery of courses, and follow-up semi structured interviews with nine tutors. The themes highlighted the need to acquire specific knowledge of the content; the role of others in the development of expertise; the use of situated learning as a catalyst for redevelopment; and the eagerness to establish their future learning pathway. The findings suggest that each territory of expertise (i.e., content, constituency and environment) did not remain stable when transitioning to the new domain of coach education tutoring and implications for future tutor training are provided.

*Keywords:* coach developers; formal coach education; initial tutor training; expertise (re)development

## 1 **Redeveloping expertise in the transition from coach to coach education tutor.**

2 Coach developers (CDs) perform a vital function in the learning of sport coaches (Jones et al.,  
3 2023). Various definitions of the role of CDs can be found in the literature (Nash, Ashford & Collins,  
4 2023), but is generally accepted as an umbrella term for those trained to develop, support and  
5 challenge coaches as, for example, a programme designer, facilitator, assessor, or mentor  
6 (International Council for Coaching Excellence [ICCE], 2014).

7 This current study focuses on a novel initial training process of novice coach education  
8 tutors<sup>1</sup> from a national sports governing body (NGB) in the United Kingdom. Tutors form part of the  
9 larger CD workforce and are defined as teaching small groups of coaches through a syllabus provided  
10 by an organisation (Chartered Institute for the Management of Sport and Physical Activity [CIMSPA],  
11 2021; ICCE, 2014). NGBs have responsibility for recruiting, training and developing those tutors that  
12 deliver their coach education programmes described as “formal, classroom-based experiences in  
13 which participants follow a prescribed set of learning activities over a period of time” (Nash, Ashford  
14 & Collins, 2023, p2). The role of the tutor in supporting and facilitating learning of coaches in a  
15 formal coach education setting is a significant one requiring expertise (Dempsey et al., 2021; ICCE,  
16 2014).

17 CD roles require different knowledge and skills compared with coaches and, therefore,  
18 require specific training during early transition to support the development of these (Partington et  
19 al. 2021). Understanding of how they obtain, develop and implement expertise in learning is limited  
20 (Partington et al., 2021; Stodter & Cushion, 2019b) as the formal training for any coach developer  
21 role is a relatively new focus in academic literature (Callary et al., 2021; Campbell et al., 2020). There  
22 remains an insufficient knowledge base about their training (Jones et al., 2023; Watts et al., 2022)  
23 and there is no clear training pathway (Stodter, 2022). Where research does exist, the training  
24 appears inadequate and there is limited understanding of its effectiveness (Jones et al., 2023).

25 Therefore, the redevelopment of expertise required when newly transitioning from coaching to  
26 coaching coaches is an area yet to be fully explored in the literature.

### 27 ***Theoretical Framework***

28 The recruitment, development and retention of individuals with expertise is crucial to  
29 organisational success (Grenier & Kehrhahn, 2008), including NGB coach education programmes.  
30 The basis for this novel approach to tutor training was to accelerate the competence and level of  
31 expertise of the novice tutors. Theories and models of expertise here have been borrowed from  
32 human resources development (HRD), teaching and wider sport coaching. In HRD literature,  
33 expertise has been shown to have personal and professional implications for career transition  
34 (Cherrstrom & Bixby, 2018). Facilitating the learning of novices to experts has been a focus of  
35 research attention in cognitive and educational psychology and in learning and instruction (Elvira et  
36 al., 2017). Despite that, it has proven a difficult concept to define and often considered from a  
37 positivist viewpoint (Berry, 2021; Khan & Kiran, 2018). Definitions of expertise have often been  
38 related to experience, consistency or qualifications, each of which has its own limitations and  
39 concessions. Expertise, in its simplest form, can be defined as having “special knowledge or skill”  
40 (Nunn, 2008, p416). There are two prevailing schools of thought regarding development of expertise  
41 – traditional models of stages and linear steps (e.g., Berliner, 1994; Dreyfus, 2004) and  
42 redevelopment pathways that are more complex and fluid (Nunn, 2008). Studying expertise offers  
43 benefits for individual and organisational improvement through an increased understanding of  
44 learning and knowledge acquisition (Cherrstrom & Bixby, 2018).

45 The Model of Expertise Redevelopment (MER) (Grenier & Kehrhahn, 2008) suggests that  
46 expertise is not the attainment of a fixed state through linear stages (as other models of expertise  
47 propose). Instead, expertise is complex, fluid, temporary, dynamic, contextual and cyclical (Turner et  
48 al., 2012). The model consists of three *states* of expertise: *dependence*, *independence* and  
49 *transcendence*. These states range from the individuals relying on others, or sources of information

50 (dependence) to having the freedom and confidence of knowledge and ability (transcendence). The  
51 current state in which the individual sits is influenced by whether there is stability or change within  
52 domains, or what Grenier and Kehrhahn (2008) refer to as *territories* of expertise. These territories  
53 include: content (consisting of the knowledge one has and the ability to demonstrate skills),  
54 environment (the specific context, discourse and expected behaviours), and constituency (the  
55 audience who recognise and are interested in the specific expertise of the individuals). Transitioning  
56 to a new role (such as from coach to coach tutor) will likely create some instability within some or all  
57 of these domains and, therefore, requires a need for redevelopment. When transitioning from  
58 teacher to teacher educator, Williams, Ritter and Bullock (2012) even suggest that a change from  
59 expert to novice is necessary. With novice tutors, despite having previous experience expertise as an  
60 athlete, coach, mentor and educator (in some cases) (Stephens, Stodter & Timmis, 2024), expertise  
61 must be adapted to fit new parameters, scenarios and challenges required for the specific role of  
62 tutoring (Nash, Ashford & Collins, 2023). Knowledge acquired as an athlete and then coach,  
63 therefore, needs to be supplemented with knowledge of learning, development and assessment  
64 when transitioning from coaching to developing coaches (Nash, Ashford & Collins, 2023).

65 An integrative literature review on expertise within HRD (Cherrstrom & Bixby, 2018), found  
66 limited information regarding redevelopment and identified it as a gap worth contributing to.  
67 Additional research around the term 'redevelopment' and specifically the use of the Model of  
68 Expertise Redevelopment (Grenier & Kerhahn, 2008) has the potential to provide greater clarity and  
69 knowledge about expertise to ultimately enhance process and performance, particularly around  
70 career transitions in new contexts beyond HRD.

## 71 **Research Aims**

72 The aims of this study were to assess the stability of expertise for novice coach education  
73 tutors when faced with changes in territories and identify features of tutor training that impact the  
74 redevelopment of expertise in the transition from being a coach to coach education tutor.

## 75 **Methodology**

### 76 **Research Context**

77 This research was carried out with an interpretivist position, underpinned by a social  
78 constructivist paradigm, acknowledging multiple possible meanings of reality within a specific  
79 context constructed by those who experience it (Greene, 2000). Social constructivists seek  
80 understanding in the natural, *in situ* setting (Sparkes & Smith, 2013; Loewenberg Ball & Forzani,  
81 2009). The setting of this particular study was part of a wider research project following the journey  
82 of a cohort of novice tutors as they sought to redevelop expertise in a new domain of tutoring.

83 Previously, initial tutor training for novice tutors consisted of three components. Firstly,  
84 observing experienced tutors delivering a coach qualification course. Secondly, attending a weekend  
85 of classroom-based training primarily covering teaching practice and learning theory. Finally,  
86 delivering small sections of a course being delivered by established tutors, the number of sections  
87 delivered would increase with each delivery until being signed off by a tutor developer (TD) once a  
88 set of tutoring competencies had been consistently applied and there was evidence of familiarity  
89 with course content and materials. The timescale of that process would vary depending on  
90 circumstances such as availability of the individual and the tutor developer.

91 In December 2018, England Athletics sought to recruit a group of new tutors to deliver on  
92 coaching courses across England using a new 'fast-track' approach to tutor development aimed to  
93 improve the efficiency of the process. Trainees were required to attend an Initial Tutor Training (ITT)  
94 weekend, followed by the novel aspect of live delivery of a coach education course (see Phase 1 and  
95 2 below). In order to be signed off as a Co-Tutor (i.e., delivering a course working with a Lead Tutor),  
96 trainees were to demonstrate consistent effectiveness across multiple competencies in facilitation  
97 (e.g., feedback and goal setting) via observation of formal coach education delivery (ICCE, 2014).

### 98 **Participants**

99           Nine trainee tutors from the cohort fully participated across the different phases of data  
100 collection. Furthermore, the Education Manager (EM), who had overall responsibility for the  
101 process, and a team of tutor developers were involved in the research as part of the tutor training  
102 process. Participants consisted of five males and four females with an average age of 44 years ( $SD =$   
103  $11.23$ , range = 27-67). The average number of years coaching athletics was 9 ( $SD = 5.52$ , range = 2-  
104 18) and participating 22 years ( $SD = 14.87$ , range = 5-50), along with experience and qualifications in  
105 other sports. The group were highly educated eight having at least an undergraduate degree. All  
106 participants had previous work experience in education, training and/or mentoring. Participants  
107 were assigned a pseudonym – “T” for Trainee Tutor, followed by a numerical value that indicated  
108 the order of their recruitment to ensure anonymity.

#### 109 ***Phase 1: Initial Tutor Training observation***

110           Prior to the start of data collection, ethical approval was received from the institution’s  
111 ethics committee and consent provided from England Athletics as gatekeepers to attend in person  
112 throughout the process and to access participants. Informed consent was gained from all  
113 participants involved in the study.

114           The role of complete observer (Sparkes & Smith, 2013) occurs where the researcher  
115 does not actively participate but observes what happens and how it happens through technological  
116 means and field notes. The first author attended the ITT weekends in Birmingham and London in  
117 March and April 2019 respectively. Trainees were required to attend either of the weekends in order  
118 to progress in the process. ITT aimed to provide the tools, techniques and ingredients needed to  
119 support coaches’ learning. This training was delivered by two experienced tutor developers and  
120 supported by other governing body staff. All tutors and tutor developers were witnessed within  
121 observation episodes (Redgate et al., 2022). Data were collected through document analysis of  
122 course materials, field notes and video and audio recordings. Recruitment and selection  
123 documentation were shared with the lead research via personal communication, providing



124 information regarding the criteria against which the applicants were screened and shortlisted by  
125 England Athletics, i.e., qualifications and experience as a coach; technical knowledge and  
126 understanding of the sport; experience in presenting information and delivering educational  
127 programmes; and ability to reflect on own performance and follow a personal development plan.

### 128 ***Phase 2: Live delivery observation***

129           Following the Initial Tutor Training, the next stage of this novel process for this cohort was to  
130 deliver on a 'live' course as a group of trainees. Instead of initially co-delivering small sections of the  
131 course with experienced tutors as was previously the case, the trainees were to deliver as teams of  
132 novices to a reduced number of paying, trainee coaches. A tutor developer was assigned to a pair of  
133 trainees to support before, during and after their deliveries. The aim of this process was to increase  
134 efficiency and robustness of the process through effective recruitment and greater exposure to live  
135 delivery and course content. The first and second authors attended the courses delivered live by the  
136 trainee tutors in London, Birmingham and Manchester. All tutors and tutor developers were  
137 witnessed within observation episodes (Redgate et al., 2022). Data were collected from field notes,  
138 audio and video recordings. Conversations were conducted throughout the live delivery of courses  
139 between the tutor(s) and tutor developer following the delivery of each section whilst another pair  
140 were delivering or during a break interval (Milistetd et al., 2018). The purpose of these conversations  
141 was to promote self-reflection and feedback on the delivery and to plan subsequent sections of  
142 delivery. Eight conversations were audio recorded and transcribed verbatim, resulting in  
143 approximately 39 minutes of audio data. A further four group feedback sessions were audio  
144 recorded, totalling 58 minutes. Furthermore, the EM provided reflections on the rationale for the  
145 process and initial evaluation of its success.

### 146 ***Phase 3: Semi-structured interviews***

147           Interviews with participants occurred following live delivery rather than immediately post-  
148 training, so that there was opportunity to put learning into practice. Interviewing obtains

149 perspectives, feelings and perceptions of participants (Sparkes & Smith, 2013) and being semi-  
150 structured gives the opportunity to deviate from the interview guide where necessary (Patton et al.,  
151 2013). It is standardised sufficiently to follow a similar guide but purposively flexible enough to allow  
152 for individual interpretation and control (Sparkes & Smith, 2013).

153         The interviews lasted on average 11 minutes each and were audio recorded and transcribed  
154 verbatim, resulting in approximately 98 minutes of audio data. Questions were asked based on the  
155 topic area with the view of answering the research questions but these were sometimes combined  
156 or reordered in response to the answers provided by the participants. Engagement with people in  
157 their own natural setting environments, through a combination of semi-structured interviews and  
158 recorded 'fly on the wall' feedback sessions provided meaningful data of the lived experiences of the  
159 participants (Sparkes & Smith, 2013, p101).

160         Due to the sporadic geographical locations of the participants, telephone interviews were  
161 carried out. These can be positive in terms of cost and time efficiency but have limitations such as  
162 being less able to be attentive and respond to participant's non-verbal communication such as body  
163 language (Sparkes & Smith, 2013). These factors were taken into consideration, however the  
164 benefits of being able to reach more participants outweighed any potential limitations. Follow-up  
165 interviews via telephone also allowed some time for the participants to reflect and relax as opposed  
166 to adding more elements at the end of a full day of delivery and learning.

## 167 **Data Analysis**

168         Data from all phases of the study were analysed concurrently using reflexive thematic  
169 analysis initially (Braun & Clarke, 2019), which denotes the researcher's subjectivity as a resource  
170 rather than a limitation (Gough & Madill, 2012). This approach to analysing the data provides a  
171 rigorous and systematic framework for coding and theme development, but is also fluid and  
172 recursive, i.e., there is flexibility for interpretation within a structure. The first stage was to become  
173 familiar with the data through transcription, re-reading the transcripts and reviewing notes from

174 active thoughts during the observations and interviews, such as the importance of other people  
175 throughout the process, e.g., observing established tutors and fellow trainees or feedback from  
176 tutor developers. Codes were then inductively generated and labelled from the raw data that were  
177 deemed potentially relevant to the research questions, i.e., any reflections of expertise being stable  
178 or unstable. For example, “for the live one, I didn’t have any problems. But then again, I’m coming  
179 from a slightly different position maybe than some of the others in terms of tutoring already”  
180 demonstrated an element of stability from prior experience. Broader patterns of meanings were  
181 grouped and developed, by reviewing, refining, and defining generated sub-themes that were  
182 distinctive, relatable and relevant to the research aims.

183           The Model of Expertise Redevelopment was introduced as a theoretical framework during  
184 this data analysis stage following principles of abductive analysis (Partington et al., 2021; Thompson,  
185 2022), as the sub-themes generated inductively from the thematic analysis were aligned with the  
186 territories of expertise redevelopment (i.e., content, constituency and environment) (Grenier &  
187 Kehrhahn, 2008), which were used as overarching themes (Figure 1). For example, the sub-theme of  
188 *observation* (e.g., observing by more experienced tutors) aligns with the *constituency territory* of  
189 expertise, which concerns influencing or being influenced by others. Finally, the raw data were  
190 reread with a particular focus on the territories of expertise to ensure pertinent data were not  
191 missing from the analysis. An internal conference for tutors at England Athletics taking place  
192 approximately two months following the interviews provided the practical opportunity to explore  
193 initial findings with participants by inviting comment or reflection. The second and third authors  
194 acted as critical friends, providing critical dialogue and acting as a sounding board.

195 **INSERT FIGURE 1 AROUND HERE**

## 196 **Reflexivity**

197           Reflexive thematic analysis acknowledges the influence of own experiential journey  
198 (Dempsey et al., 2021), and the underpinning philosophical stance of the researcher influencing the

199 execution of generating themes (Trainor & Bundon, 2021). Reflexivity considers the effect you have  
200 on other people based on your experiences and understanding and the reasons why, including any  
201 power relations between the researcher and the participants (Gratton & Jones, 2004). The natural  
202 setting of this research provided an intimate familiarity with the environment and phenomenon  
203 (Sparkes & Smith, 2013). Participants were addressed at the beginning of the process as a more  
204 personal form of introduction following initial contact via email. As the lead author also works for  
205 the organisation as a tutor, wearing England Athletics branded kit, I explained my position as a  
206 colleague and the aim of the research but also stressed that this project was being carried out  
207 independently of the tutor training process, therefore their participation in the study would not  
208 impact on their training or future employment. Having some 'insider knowledge' of the organisation  
209 and the role builds rapport with the participants but also includes awareness of the political and  
210 economic climate. Participants were informed that their views would remain confidential and any  
211 data presented would be anonymised to avoid any negative consequences related to their  
212 employment. It was stated that only anonymised, constructive data would be shared based on  
213 common themes derived from feedback from the cohort and observations made. There was no  
214 evidence to suggest that participants were anything other than open and helpful with the research  
215 process.

## 216 **Results & Discussion**

217 The aims of this study were to assess the stability of expertise for novice coach education  
218 tutors when faced with changes in territories and identify features of tutor training that impact the  
219 redevelopment of expertise in the transition from being a coach to coach education tutor. Learning  
220 can be analysed on several levels (Tynjälä, 2008) with this research considering the similarities  
221 amongst the group for the purpose of organisational development rather than any individual's  
222 idiosyncratic learning. The territories of expertise redevelopment (i.e., content, constituency and  
223 environment) are used as themes to structure the following discussion with relevant practical  
224 implications summarised at the end of each.

**225 Content**

226 Content, within the MER, relates to the knowledge, ability and resources that are required  
227 to successfully function in a role (Grenier & Kehrhahn, 2008).

**228 Course Content & Context**

229 A cause of expertise instability highlighted by the participants was knowledge of the course  
230 content.

231 T9: Improvement wise, maybe if we were able to get a bit more chance of looking at the  
232 content. Seeing the content and getting used to that. I think a lot of us were confident that  
233 we can teach, it's just the content which I think both [tutor developers] said that'll come  
234 down to doing more live deliveries but I think it was just if you're able to look at them a little  
235 bit more in detail it might just put people at ease a little bit more, I think.

236 In order for this novel process to have a chance of being successful, it was necessary for  
237 England Athletics to purposively recruit people with specific skills and experience in the first place in  
238 order to reduce the instability of expertise. As part of the recruitment process, England Athletics  
239 paid explicit attention to the prior knowledge, experience and skills of the potential candidates, as  
240 also suggested by Elvira et al. (2017). An essential criteria of the recruitment process for this cohort  
241 of tutors was "experience in delivering education programmes" (England Athletics Shortlisting Grid,  
242 personal communication, July 29, 2020). This experience in facilitating learning through teaching,  
243 and/or mentoring was a recruitment prerequisite in order to have an advanced starting point in  
244 preparation for the process. Some tutors identified that the formal coach education environment  
245 differs from the delivery that they are used to, such as in a school or club coaching context.

246 T7: ...it [ITT] was very helpful actually, just because a lot of the work I do is with kids in  
247 school environments, trying to make that transition to adult learning. You don't have to  
248 worry as much about the behaviour side of things, it was nice to just be able to more have a

249 conversation and still be aware of learning styles and things like that. Changing the approach  
250 to pull the learning, essentially was quite a new concept for me. The big one is the delivery  
251 style. Yeah, I initially thought you'd be going in there just very much delivering you know,  
252 like at school going through your PowerPoints delivering the information you need to get  
253 across. Whereas so much of it is just about trying to get the right information from them  
254 that they already kind of know but you just consolidated it and restructuring it in a way so  
255 it's just that it's more of a conversation rather than dictatorial.

256 T4: I think it's quite different to being a teacher in the sense that you are mainly working  
257 with a big cross section in terms of ability and aptitude and also age range. So that's  
258 something that, you know, you'll adapt to.

259 T9: Getting those guys to start thinking as coaches rather than athletes, you sometimes kind  
260 of forget that.

261 A common question posed to the tutors during the ITT was, "what's the link to tutoring  
262 here?" (Field notes, multiple locations) to ensure that the focus remained on this new domain. The  
263 prior experience of the participants from adjacent domains (e.g., education) was intended to be a  
264 catalyst from transitioning from a dependent to transcendent state of expertise. However,  
265 experience does not automatically translate into expertise, instead requires deliberate practice  
266 (Wallin et al., 2019). Expertise is a continuous process of learning, experimenting and reflecting in  
267 response to changes in context (Grenier & Kehrhahn, 2008), therefore recruiting tutors who  
268 demonstrate the ability and willingness to reflect on practice was a useful criteria. As a tutor  
269 developer commented at the end of the first day of live delivery at a course in Manchester, "the  
270 skills that you guys are demonstrating from the position you are in your tutor training is absolutely  
271 phenomenal." T9 supports this further by highlighting the success of recruitment.

272 T9: I think it's a stringent process which I think might put people off. But I think in a way you  
273 are getting a good quality of tutor from what we saw over the weekend, purely because  
274 you're having to go through so many stages. It just shows that the recruitment has worked.

### 275 ***Practical Delivery***

276 Tynjälä's (2008) Integrative Pedagogy Model suggests that an ideal learning environment  
277 consists of a combination of theoretical knowledge, practical skills and self-regulation. Some  
278 theoretical knowledge already existed from many of the tutors having backgrounds in education and  
279 it was identified during the interviews that a considerable amount of theory was covered during the  
280 initial training weekends. The coach education courses that these tutors will be delivering consist of  
281 a blend of what to coach (i.e., classroom-based theory) and how to coach (i.e., practical sessions  
282 modelling coaching behaviours). Practical sessions on course were a significant cause of instability  
283 due to the lack of practice prior to the live delivery, as the following examples highlight.

284 T1: At the first weekend, we were talking amongst ourselves and thought 'we haven't really  
285 done much practical in this'. So I think a few of us were thinking 'how will that work on the  
286 day?'

287 T8: One of the things I've said is that I still haven't had an opportunity to deliver the practical  
288 content.

289 The lack of practice was also a cause of nervousness. T3 recalls that they were "quite  
290 surprised that we didn't practice any practical stuff because personally, the practical stuff I was most  
291 nervous about". Furthermore, it was suggested that they "could maybe have done a couple of the  
292 practical elements just to see how you can balance time within a practical session as well as all the  
293 theoretical ones we were doing" (T6). T4 highlights the potential disparity between the tutors based  
294 on previous experiences.

295 T4: Unless you had experienced the [coaching] course before, then I don't think it would  
296 have prepared you for the practical part of the delivery. So basically, on the training  
297 weekend, we did one delivery or one and bit delivery, based on the theory side, but we  
298 didn't do any practical delivery. And I think unless you'd been part of the course or seen it  
299 run, that would have been a disadvantage.

300 During the live delivery, it was deemed necessary by the tutor developers to review the  
301 delivery of the practical elements as a whole group debrief at the end of Day 1 (Field notes, Live  
302 Delivery Day 1, London). Two tutor developers demonstrated modelling practical skills to highlight  
303 the benefit of co-tutoring and the impact on coach learning. Practical components in coach  
304 developer training programmes are highly valued (Campbell et al., 2020). Formal coach education  
305 has been criticised for promoting knowledge acquisition as opposed to applied behaviour  
306 improvement (Stodter & Cushion, 2019a), as learning is not just about knowledge and understanding  
307 but skills and application. It could be argued that this practical modelling of coaching skills were  
308 initially taken for granted. Elvira et al. (2017) noted that practical/procedural knowledge is often  
309 unarticulated, seldom taught, tacit, and gained through practical experience.

### 310 ***Content Practical Implications***

311 Gaps in knowledge related to the specific course content and context was a limiting factor,  
312 including classroom-based but specifically with practical sessions. More time spent on specific  
313 aspects of the tutor notes rather than generic learning theory, which many participants were  
314 familiar with from previous roles, would have been beneficial to apply prior knowledge.

### 315 **Constituency**

316 Constituency as a territory is concerned with those that influence, or are influenced by, the  
317 individual (Grenier & Kehrhahn, 2008). In this context, constituency may include the national  
318 governing body staff, tutor developers, co-tutors, the coaches on the courses and any venue staff.



319 For each new course delivered, this could result in a change of co-tutor, venue and coach learners so  
320 is and will be a frequent and significant change faced by the individuals.

321 **Observation**

322 Throughout the tutor training process, it was evident that this was a group process and that  
323 multiple people were involved in each individuals' development. Linked to the previous theme, the  
324 value of observing others was highlighted as potentially useful.

325 T4: Shadowing a course would have been ideal for a day. So that for the weekend, you  
326 shadowed a day, and then you delivered a day. Some of the things they took for granted I  
327 think, like 'you can know this and you're gonna be able to deliver it'. It would be really useful  
328 to be able to shadow the lead and co-tutor delivering the course, before we actually go to  
329 the next phase.

330 T8: Actually, if we'd have seen it in action. I know, I probably would have learned a lot more  
331 as well.

332 Interestingly, previous cohorts of trainee tutors were required to observe a course being  
333 delivered by experienced tutors prior to attending the initial tutor training. This step in the process  
334 was perhaps a casualty of a more fast-tracked approach. However, observation was suggested as a  
335 next steps for some.

336 T2: There were some things for me that were a bit clunky and I can't quite see how they fit  
337 together. So, my next steps are going to observe a live delivery with experienced tutors so I  
338 can see some of the transitions from the theory to practical and things like that. I can't quite  
339 see how to make the transition nicer.

340 Observing practice being modelled during the training weekend was identified as being very  
341 useful. There was a strong preference for observing experienced tutors actually delivering, which  
342 was partially missing from the process and perceived as potentially valuable. Observational learning

343 is a significant source of knowledge – as with ‘pre-coaching’ (see Côté, 2006), i.e., apprenticeship of  
344 observation. Observing coaches impacts on development, choosing which practices to adopt and  
345 which to avoid. Research suggests mastery observation is more effective/constructive than peer  
346 observation which lacks evidence of specific benefits (Ste-Marie & Hancock, 2015).

### 347 ***Co-tutoring***

348 An aspect of tutoring that was unfamiliar to most participants was co-tutoring. In their work  
349 on micropolitical literacy and action with experienced Football Association coach educators, Allanson  
350 et al. (2021) found the potential for problematic encounters with co-tutors. The authors  
351 recommended the consideration of micropolitical literacy when preparing and developing coach  
352 educators. Likewise, Watts et al. (2021) provide examples of issues with co-tutoring whilst exploring  
353 realities, challenges and workplace relationships. However, participants in this study discussed  
354 positive examples of adaptive expertise (Wallin et al., 2019), whereby problems are examined through  
355 interaction with others. The trainee tutors worked in pairs throughout the live delivery weekends,  
356 meaning they could learn from self and others through discussion and reflection. This process was  
357 built into the programme, particularly after each delivery and the end of each day. Therefore, tutors  
358 were subject to an ongoing monitoring of their experience and practice. Exposure to different  
359 practices, i.e., from working with other practitioners in different contexts, created diverse experiences  
360 that are a central condition for the development of expertise. Participants’ previous experience of  
361 teaching, coaching and/or mentoring tended to be individual. When asked, multiple participants  
362 identified co-tutoring as a positive aspect of their delivery.

363 T8: I think that we had really good interaction in terms of co-tutoring as well. So, we worked  
364 out what we're going to do and I think that came across in terms of how we work together.  
365 So, I think we work really, really well together.

366 T6: Yeah, I think it was actually working with somebody else and co delivering.

367 T5: I think we had quite a good relationship between us and worked well together.

368 This was also observed by the tutor developers, for example, “you guys worked well  
369 together in your roles and that helped really conceptualise the message” (TD to T9 and T10, Live  
370 Delivery, Day 1, Manchester). An example of a feedback conversation during the live delivery  
371 between a tutor developer, T6 and T7 (Live Delivery, Day 2, Birmingham) went as follows.

372 TD: “one thing from each of you that went quite well from your perspective?”

373 T6: “I was more concise which meant they could get on with it more quickly rather than me  
374 giving too much information”

375 T7: “I could see they were taking notes as additional information and learning there, so do I  
376 really need to recap? As I came out I thought ‘maybe I just needed to check for clarification’  
377 – that would be my learning point from there. I think the pace of delivery was spot on and I  
378 tried to carry that on with my bit. We worked the tables [small groups] quite well”

379 T6: “As you were looking at your notes, I thought I’d just step in just to summarise the slide  
380 while you get what you need to do for the next bit”.

381 TD: “There’s a term for that – co-tutoring”

382 T1 experienced similar benefits of working with others: “if you were unsure of something, if  
383 you have lost your thread a bit here, your co-tutor was there to sort of step in and take over and  
384 then you could get back on track.” Co-tutoring was an aspect of the ITT weekend that was cited as  
385 being useful.

386 T6: Having the opportunity of co-tutoring with somebody else as well on that course.  
387 Perhaps working with people that you might not necessarily be good at working with, for  
388 example with [anonymised], his personality is quite different to mine, and having the  
389 opportunity in a training environment to actually have a have a go at working with

390            somebody like that because we don't know who we're going to be working with when we go  
391            out there.

### 392    ***Tutor Developer Support***

393            The success of co-tutoring was perhaps the result of observing the tutor developers  
394    modelling this during the ITT weekend, as noted by T5, “observing the two tutors was the most  
395    useful learning of training weekend.” This was further supported by T4 who praised “being able to  
396    work closely with others and see what other people are doing.” This was a deliberate focus of  
397    attention during the weekend, with the Education Manager having “expectations of what [he]  
398    needed people [tutor developers] to really model and that was around the co-delivery and  
399    teamwork.” During the live delivery, once the pairs had delivered their section, it was immediately  
400    reviewed with their designated tutor developer.

401            T9: I think I settled in fairly quickly and got comfortable with the format. [We] knew what  
402            we were doing, our roles and responsibilities. We would deliver, we would then go and see  
403            [tutor developer], talk it through, pretty much prepped ready for the next one and then  
404            away we go. So I thought it flowed well.

405            Generally, these conversations facilitated reflection, provided feedback and rounded off by  
406    posing the question: “what do you need to consider for next time?” (Field notes, multiple locations).  
407    The team of tutor developers were widely praised by the trainee tutors.

408            T6: I've been very impressed with it. The tutor developers, the care and support from those  
409            guys was not something I've experienced on any kind of delivery course or anything like that  
410            before. That's really high quality and I think we've got high quality around and that's  
411            something that's going to continue to feed and produce high quality tutors in environments  
412            with a good support network. So, I was really pleased.

413 T8: By having done it and straightaway going back to [tutor developers] and speaking to  
414 them about what went well and how to develop you're getting instant feedback to be able  
415 to then go 'yes, that worked, that didn't' and move on... it was instant feedback and literally  
416 able to improve straightaway, which I think was it was a good format and worked really well.

417 T1: The support team on the second weekend were very attentive to our needs and they  
418 explained everything as we went along. And they asked leading questions to check that we  
419 were we have the understanding of what we need to do.

420 T4: I think also the support from the coaches [tutor developers] I was particularly pleased  
421 with - that was very good, very positive and also very helpful.

422 Furthermore, the written feedback provided on the tutor competency transcript was valued  
423 as an additional source of learning.

424 T3: The written feedback [was most useful], which is incredibly detailed, but also support  
425 beforehand, just talking through everything that wasn't quite clear before. And then just  
426 dragging me to one side and saying, "have you thought about this?" at various times. That  
427 was really useful.

428 There were also opportunities to meet to discuss as a whole group each day.

429 TD: I just want to go through a few things that we can all work on and maybe you can chat  
430 with your individual tutor developers on how you might apply some of what we've learnt  
431 today based on some of the conversations we've had. (Live Delivery, Day 1 Delivery Debrief,  
432 Manchester)

### 433 ***Constituency Practical Implications***

434 Learning to teach is a "socio-cultural process relying on discursive resources" (Korthagen,  
435 2010, p.104). Participants suggested that observation of experienced tutors prior to delivery could  
436 have helped reduced the gap in the content territory.

437 Collaboration is often a necessity and an individual's success often depends on the  
438 performances of several individuals (Tynjälä, 2008), i.e., Interdependent knowledge in collaborative  
439 learning. The role of the tutor developers in influencing learning was crucial. They were tasked with  
440 providing support, guidance and encouragement. The importance of having credible facilitators to  
441 guide tutors in redeveloping their knowledge, skills and effective practices for this specific context  
442 was highly emphasised. They were able to provide a view from different perspectives, conceptualise  
443 experiences and examine theoretical knowledge in light of practical work, all of which are important  
444 aspects in developing meta-cognition (Wallin et al., 2019).

445 Going through the process as a cohort provided the opportunity for tribal learning. The co-  
446 construction of knowledge through practicing together seemed to be an important element of the  
447 process. Initial cohort-based learning, i.e., small group learning supported by instructors (Gambhir et  
448 al., 2008), helped to ensure coherency, consistency and building of relationships. Furthermore, the  
449 opportunity for professional inquiry and collaboration to inform professional practice and  
450 improvement was enhanced. In wider coaching literature, peer coaches have been shown to be a  
451 significant resource in acquiring knowledge (Douglas et al., 2018). Likewise, creating a social space  
452 for connection was also deemed useful during a women-only training programme for coach  
453 developers (Kraft et al., 2020). Extended programmes with ongoing support helps reinforcement of  
454 learning and stimulates further thinking (Campbell et al., 2020). The collaborative, informal learning  
455 with peers combined with the multi-directional feedback was integral to the ongoing development  
456 of expertise. Therefore, creating a cohort group as a community has a positive influence on practice  
457 (Korthagen, 2010).

#### 458 **Environment**

459 Within the MER, environment relates to the physical or geographical location in which the  
460 individual operates, the layout of the physical space and the organisational culture and structure  
461 (Grenier & Kehrhahn, 2008). Coach development programmes are typically more condensed and

462 changeable than teacher educator programmes (McCleery et al., 2021), which the participants were  
463 generally more familiar with. In the context of formal coach education, a changing environment is a  
464 necessary consideration as tutors are required to operate in a multitude of locations and spaces.  
465 Routine is a necessary process but non-routine problems are also part of tutoring (Wallin,  
466 Nokelainen & Mikkonen, 2019), and for developing and maintaining expertise (Grenier & Kehrhahn,  
467 2008). Demonstrating adaptive expertise is beneficial, whereby tutors perform standard tasks using  
468 domain-specific and metacognition skills (Nash, Ashford & Collins, 2023).

### 469 ***Organisational Expectations***

470 Similarly to the earlier sub-theme of having confidence in knowing the course content, there  
471 was also instability regarding the actual or perceived expectation of having to deliver in a certain  
472 way. For example, T8 mentioned that “it kind of came across that we should really stick to the tutor  
473 notes and really be focused on doing what that says”. However, they go on to question the  
474 practicality of doing so: “but I think in practice, it kind of doesn’t work like that. And that’s probably  
475 what we’ve learned”. This view was shared by other tutors, for example:

476 T3: I think it surprised me a little bit just how, I don't want to use the word regimented,  
477 because that sounds negative, but I can't think of a better alternative right now. But just  
478 how much specifically on ‘you need to deliver this, and this is exactly how to deliver it’. I  
479 wasn't expecting maybe quite that degree of detail.

480 T2: The thing I wasn’t sure about was that I haven’t delivered things specifically in an  
481 England Athletics way. And, obviously, when you’re doing it week in week out you kind of  
482 evolve your own style.

483 There was some challenge around using the tutor delivery notes. Having a prescribed set of  
484 notes creates challenges if there is any ambiguity or lack of clarity as T8 shared that they had to ask  
485 for support in making sense of what was being asked.

486 T8: They want a standardised way of delivering stuff, which I'm on board with. But  
487 sometimes that means that we need to ask questions, and we need to see it happen,  
488 because sometimes the notes are a bit ambiguous or they don't make sense. We found out a  
489 little bit more in the live delivery weekends when I spoke to [tutor developer], and that  
490 could have been interpreted in this way or could have been interpreted in that way.

491 Likewise, there were suggestions of needing to use a prescribed delivery method of the  
492 practical sessions. For example, T9 recalled "having a conversation with [tutor developer] about  
493 demonstrations and there was a particular way England Athletics like the demonstrations done".  
494 Nash, Ashford and Collins (2023) argue that coach development should not be scripted, instead  
495 responsive and adaptable by making decisions about which actions can facilitate development whilst  
496 working within organisational constraints.

#### 497 ***Practical Experience***

498 In teacher education it is argued that making practice the core of professional preparation  
499 and learning on the job is important (Loewenberg Ball & Forzani, 2009). The aspect of live delivery  
500 was directly relevant to the task being trained for. This novel tutor training process "looked at trying  
501 something different and also to try and give greater exposure to delivery and in a real life  
502 environment" (EM) or what one tutor developer described as "getting your feet wet".

503 EM: This is a model that is very similar to what Sports Coach UK used to do in that they have  
504 two days of training and then another two days of practice delivery. So, what we've done is  
505 taken the practice delivery out and replaced it with live delivery.

506 There is a danger, however, that being entirely contextual limits the opportunity for stable  
507 and learnable practices (Loewenberg Ball & Forzani, 2009). The format of this process could have  
508 been potentially a risk, as T8 explains.



509 T8: Overall, as a whole delivery group it worked a lot better than it could have been. It could  
510 have gone really, really wrong if people panicked. Personally, for me, I actually found that  
511 when we got into just delivering stuff much more useful than just the theory and the sitting  
512 through lots of PowerPoint slides, which I actually found quite difficult to take in, but there  
513 was just a lot of stuff there. And actually, I think for me, I've learned much more from the  
514 live delivery than I did from the first weekend. My learning has just been reinforced by being  
515 able to do things more than once. So, I've guess I've learned a better way of delivering  
516 certain things because I've had that opportunity.

517 The lower numbers of coach learners and delivery time (compared to normal) lessened  
518 potential threats and survival needs (Korthagen, 2010). As discussed, the tutor developers  
519 contributed to creating an environment that allowed openness and feeling of security, which is  
520 needed for learning as it promotes open discussions (Partington et al., 2021). There were examples  
521 from all tutors of changes in behaviour and learning taking place in the live environment.

522 T3: Personally, I was quite pleased with delivering the bits that I'd not done so well on the  
523 initial training weekend, and it was nice to deliver that again and it go down well, actually on  
524 the real thing.

525 T1: The most useful learning thing is that timings are very, very important. And making sure  
526 that you get the content out there because otherwise you're having to sort of backtrack on  
527 yourself to catch back up. So it was basically putting all the pieces of the jigsaw together on  
528 that weekend and seeing the whole picture rather than 'I've just got this module to do and  
529 that's done – tick'.

530 Situated learning refers to embedding learning in the setting in which the learning is to be  
531 applied (Kirk & Kinchin, 2003). It places a particular emphasis on the practice element of theory-  
532 practice dichotomy (Maher & Fitzgerald, 2020). In their work on coach development in football,  
533 Redgate et al. (2022) stated that learning must be linked to practice. Situated learning perspectives

534 have provided a “powerful framework for examining teacher learning and facilitation of teacher  
535 development” (Hunuk, Tannehill & Ince, 2019, p303), and has been widely used in teacher education  
536 when exploring professional learning (e.g. Maher & Fitzgerald, 2020; Korthagen, 2010).

537         The live delivery weekend was an example of a special learning environment, defined as “a  
538 safe and challenging environment where [coaches] have the latitude to learn how to be better in  
539 their actual coaching environment” (i.e., learning just in time) (Milistetd et al., 2018, p13). Nash,  
540 Ashford and Collins (2023) suggest that novice coaches may benefit from early exposure to coaching  
541 in a safe, supervised and support context and seems to apply to tutors too. Elvira et al. (2017) cite  
542 various authors who suggest that participation in authentic professional environments enhance the  
543 quality of learning experience. This learning process aims to transform theoretical/conceptual  
544 knowledge into experiential/practical knowledge (Elvira et al., 2017), promoting the need to engage  
545 in relevant cognitive activities, i.e., evaluating contextual information and selecting relevant actions  
546 based on interpretation of cues. This is an example of repeated application of knowledge in the  
547 context of practical experience (Tynjälä, 2008). The core element of facilitating self-reflection was  
548 creating that link between theory and practice.

#### 549 ***Next Steps***

550         The end of the live delivery course marked the end of the process as a group. Following this,  
551 the tutors were provided with their cumulative written feedback and informed that they would  
552 receive an individual outcome of next steps. Value was placed on the self-monitoring through the  
553 action plan as part of the competency transcript.

554         TD: The next step for us [TDs] is we’re going to finish up those tutor transcripts. You should  
555 have had sight of those before today, it’s exactly the same form but it’s iterative – there’s  
556 stuff there that’s been added to....There is a tutor-led action plan on the right hand side of  
557 that. Part of the assessment of competencies is your ability to self-reflect and to action plan.  
558         Once we’ve sent that document, it will be your responsibility to complete that learner-led

559 action plan and send it back to us. We can then review that against that specific  
560 competency. (Field notes, Day 2, Manchester)

561 The use of the tutor training competency transcript to plan, monitor and evaluate own work,  
562 supported by tutor developers, was a self-management process, a feature of adult learning, which  
563 builds agency and self-regulation skills (Wallin, Nokelainen & Mikkonen, 2019). Knowledge is not  
564 solely constructed externally, but is also processed and framed internally (Stoszowski & Collins,  
565 2014) and filtered (Stodter & Cushion, 2017). The quality of in-situ experiences has a direct effect on  
566 the quality of learning experiences within a programme (Gambhir et al., 2008). The live delivery has  
567 reduced the 'transfer distance' between learning and practical application (Stoszowski & Collins,  
568 2014) and was a catalyst for development of professional competencies. However, there was some  
569 confusion over what would follow this element of the tutor training process.

570 T4: And then the other thing that I asked as well, in my feedback, was what's the next stage?  
571 They didn't quite make clear on what happens next and what the timescale will be.

572 T8: I think maybe just kind of clarity; there were a few questions across the group of the  
573 process of what happens next and what it all looks like. So just making sure that we're super  
574 clear on that.

575 T3: It would be nice, earlier on in the process, to just have an overview of what the process  
576 was. It was touched on in interview, but I guess I hadn't really grasped the live delivery  
577 would be two days of delivering to real people and exactly what will be covered on the  
578 training and also beyond that, what the process would be once we were qualified.

579 Lajoie (2003) notes that a clear developmental pathway accelerates the transition to  
580 expertise. General knowledge about the occupation is an aspect of workplace learning for expertise  
581 (Tynjälä, 2008), hence the concern shown by some around clarity over the next steps in the process.

582 ***Environment Practical Implications***

583           Within the environment territory, the findings revealed the importance of situated practice.  
584 It highlighted the nature of delivering a standardised course on behalf of an organisation and the  
585 associated expectations. Development of expertise can occur when novices are acculturated through  
586 close interaction with experts (Tynjälä, 2008; Wallin, Nokelainen & Mikkonen, 2019). It would be  
587 wise to explicitly reinforce, early on in the process, the need for standardisation of meeting learning  
588 outcomes for quality assurance and the scope available to tailor to the needs of the coaches on  
589 course. The situated learning during the live delivery weekends was a catalyst in the redevelopment  
590 of expertise through increased exposure to changes in all territories of expertise. The challenges  
591 faced during those weekends were real examples of what to expect once the training process was  
592 complete. Embedding situated learning provided a strong opportunity to implement learning  
593 through practice, supported by peer coaching and tutor developers in facilitating feedback and  
594 assessing competencies. Similarly to Gambhir et al. (2008), it is suggested that a subsequent bespoke  
595 individual learning programme needs to be carefully considered and explicitly communicated.

#### 596 **Individual Redevelopment**

597           It has not been overlooked that individual redevelopment is unique (Grenier, 2013). Similarly  
598 to teaching, coach education is improvisational, difficult to specify and developed idiosyncratically  
599 (Loewenberg Ball & Forzani, 2009). The frequent interaction between the tutor and tutor developer  
600 in discussing their current competency against their training transcript would capture these moment  
601 of individual, nuanced redevelopment. It would be a mistake to assume a uniformed environment  
602 for all learners (Tynjälä, 2008). Therefore, it is important to note that the data from the participants  
603 does not capture the experiences of all trainee tutors, nor did all tutors have the same experiences,  
604 but the findings provide important insight. Indeed, the nature of knowledge within constructivism  
605 considers “individual reconstructions coalescing around consensus” (Lincoln & Guba, 2000, p166).  
606 Within constructivist research, key audiences include programme directors and staff with typical  
607 evaluation questions including: “how is the program experienced by various stakeholders? In what

608 ways is the program meaningful?" (Greene, 2000, p984). The purpose of this study was to  
609 investigate the common features working towards the redevelopment of expertise, leaning more to  
610 an organisational perspective, i.e., employers involved in training and development, with the aim of  
611 recommending considerations related to organisational improvement. Future studies could consider  
612 the individual rather than shared redevelopment of expertise.

613

### Conclusion

614 Coach education tutors are the public face of formal coach learning and perform a critical in  
615 the professional preparation of sport coaches. Their professional preparation, learning and practice  
616 has received limited attention in the academic literature (Redgate et al, 2022). This research further  
617 supports the work of Campbell and colleagues (2020) that training needs to be bespoke to the  
618 specific role within coach development, in this case the trainee coach education tutor. A high quality  
619 coach developer programme should have a strategic plan to analyse current and forecasted needs of  
620 the coach developer; recruit and select suitable people; and then to induct, train, develop and  
621 support them through a coach developer pathway.

622 The aim of any formal learning programme is to build fundamentals to develop expertise  
623 through supporting the "types of knowledge representations, ways of thinking and social practices  
624 that define successful learning in specific domains" (Elvira et al., 2017, p.187). This novel tutor  
625 training process seemed to be the desire to swiftly shift the states of expertise from dependence to  
626 transcendence, via utilising and refining existing skills in a situated learning practice. Redgate et al.  
627 (2022) rightly state that it is crucial for existing expertise to be recognised and used as a base to  
628 build from if new knowledge was to be useful, retained and actioned. The initial recruitment process  
629 of trainee tutors was deemed to be an important facet of fast-tracking expertise redevelopment.  
630 Having individuals with relevant theoretical and practical knowledge and the ability to self-regulate  
631 were essential criteria. This did not automatically remove the change in territories of expertise as  
632 there were still alterations to the content, constituency and environments they were familiar with

633 causing a need to redevelop. It demonstrates that specialist expertise is not easily transferable, even  
634 if domains seem very similar (Nunn, 2008). It is recommended that Initial Tutor Training recognises  
635 prior learning and focuses on domain-specific knowledge and skills, rather than generic content.

636         The novel aspect of this tutor training process was the exposure to in-situ, live delivery. The  
637 live delivery weekends provided multiple cycles of strategy generation, experimentation and  
638 evaluation of individual delivery in practice (Stodter et al., 2021), based on an epistemology of  
639 conversational learning (Bamburger & Schön, 1983) between the tutor and tutor developer. The  
640 conversations did not explicitly focus on the exact criteria related to the tutor competency  
641 transcript, but was a co-collaboration of knowledge based on what had just been experienced in an  
642 authentic learning environment. Reflecting deliberately encourages individual subjectivities and  
643 addresses issues pertinent to the realities and practical needs of the learner (Piggot, 2012 cited in  
644 Stodter et al., 2021). The findings suggested that the situated practice accelerated learning and  
645 redevelopment of expertise through the collaboration with others, i.e., support from tutor  
646 developers and observation and discussion with peers within the cohort of trainees.

647         The nature of tutoring in formal coach education means that the territories of expertise are  
648 constantly fluid. Tutors often work with different co-tutors, have a different audience of coach  
649 learners and work in different locations. Course content is regularly updated too, based on feedback  
650 and developments in knowledge within coaching and sport science. This coaching course content is  
651 set with limited scope for freedom, improvisation and experimentation for quality and  
652 standardisation reasons. Therefore, it could be argued that transcendence may not be possible nor  
653 desirable. In this sense, expertise is always a process of becoming (Nunn, 2008), a never-ending  
654 journey of ongoing professional discovery. Tutors potentially know this already, as they have  
655 demonstrated self-analysis and introspection, sought feedback and have a keen interest in what is  
656 next in their development. Self-regulated learning (e.g. setting goals, self-monitoring and evaluating  
657 and seeking social support), is a feature of expertise (Jordet, 2015). Expertise is a lifelong endeavour

658 that requires constant refinement and adaptation (Grenier & Kehrhahn, 2008); therefore it would be  
659 worthwhile to continue to investigate the continual redevelopment of expertise of all those involved  
660 in coach development.

661 **Notes**

662 <sup>1</sup> The terms *coach developer* and *tutor* are both used throughout this article, which reflects the state of  
663 literature currently (see Jones, Allen & Macdonald, 2023). Where *coach developer* is used, it refers to  
664 the broader workforce and/or relate to how they are termed in the cited literature.

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