Coach Education and Coach Behaviour Analysis: Developing Practice & Coach Effectiveness?

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Background

- Research Theme 1: Coach Education & Learning
  - Critical examination of research field
  - Literature Reviews
  - Position Papers
  - Impact of ‘formal’ coach education
  - Evaluation of coach education interventions
    - Sport Governing Bodies (SGB)
    - Sport Institutes
    - By-products of research theme 2 (coach behaviour)

- Research Theme 2: Coach Behaviour Analysis
  - Development of Coach Analysis Intervention System (CAIS)
    - Validation of systematic observation instrument
    - Development of software and ipad application
  - Coach Behaviour Analysis
    - Tracking studies, sessions & competition (mixed methods)
    - Longitudinal studies & Interventions
    - Coach education impact

Collaborations

- Coach Education & Learning
  - scUK funded Review (Armour, Jones, Nelson, Lyle, 2010)
  - SGB Funded ‘Coach Learning Tracking Study’ (2x Graduate students, 80 participants tracked over 2 years) (Stodter 2013)

- Coach Behaviour Analysis
  - Validation of systematic observation tool (CAIS) (Harvey, Muir, Nelson, 2010)
  - Tracking (Partington, Harvey, Cope, Muir, 2011, 2013)
  - Intervention (Partington, Harvey, Cope, 2013)
  - Coach Education Impact
    - SGB- Tracking Learners (Stodter, 2013)
    - SGB’s Candidates & Tutors and Course
      - Course re-design
      - Evaluation
Development of Coach Analysis Intervention System

- Technology!
  - No existing all encompassing instrument
  - Primary and Secondary Behaviour (including Practice Environment)
- 5 Step Validation Process (see Cushion et al., 2012):
  - Literature Review, Initial Instrument - peer review, pilot data, revision
  - Observer Training, Pilot (Season long data collection - hockey, Bball, Vball, 26 coaching sessions)
  - Revise - Content validity
  - Face Validity - 'expert panel'
  - Intra- Inter-Observer reliability

CAIS (Cushion et al., 2012)

- 23 Primary Behaviours
- Secondary Behaviours
  - Timing
  - Recipient
  - Content
  - Questioning Type
  - Silence
  - Practice Type

Coding Template

CAIS Workflow

Hand held CAIS application (iPAD)

- Hand-held device 'customised' templates from CAIS-
  - Multiple 'bespoke' coding templates
  - Focus on specific primary & secondary behaviours
  - Code 'live' - give instant feedback
  - Synch to video
  - Coach education/ coach development tool

SGB Coach Education Impact (Course Content)

Percentage Time Spent on Task by Individual

- Practical work playing / observing - 55.8%
- Group work / discussion - 17.9%
- Tutor presentation - 9.2%
- Feedback to group - 3.3%
- Practical planning work - 2.3%
- Practical work in group - 2.3%
- Practical work as coach - 1.9%
- Practical work observing - 1.9%
- Video - 1.0%
- Feedback (given) - 1.5%
- Feedback (receiving) - 1.5%
- Individual work / other - 1%
SGB Coach Education Impact (Behaviour)

Differences in coach behaviour?

- Pre-course
- Post-course

Future Projects

- UK Sport/ scUK- ‘Inspire/Aspire’
- UK Sport/ EIS- ‘Performance Pathway Education Programme, Impact Study’
- Critical Mass in Coaching Research?
  - National/International collaboration?
  - 'Mainstream' funding?