

## Biography

Emma is an Associate Professor in learning and teaching, she works in the Faculty for Arts, Science and Technology at the University of Northampton. She is the Deputy Head of Subject for Sport and Exercise and the Programme Leader of the BA (Hons) Physical Education and Sport Degree. She is the Co Lead for the Centre for Active Digital Education. Emma Whewell studied Sports Science and Physiology at the University of Leeds. She went on to study a PGCE in Physical Education at Durham University. After graduating Emma worked as a physical education teacher in Bradford and following this Leeds as head of PE teaching children in key stages 3-5. In 2002 Emma moved to a school on the outskirts of Newcastle where she was working as a Head of Year and PE teacher. She joined the University of Northampton in 2006 as part of the Initial Teacher Training team. Whilst working here she has completed her MA in Education focussing on the teaching of children classed as vulnerable. She has completed her PhD on the formation of identity in newly qualified teachers. Emma's research is centered upon inclusion, access and pedagogy. She has expertise in digital pedagogies, phenomenology, physical education and inclusive practices. Emma is a member of the Primary Physical Education European Network group and the All Party Parliamentary Group for a fit and healthy childhood. She is an external examiner for Birmingham City University Initial Teacher training (undergraduate SCITT).

## Research outputs

### **Interconnectedness, place and growth: a visual essay on transformative learning**

West, A., Caldwell, H., Tiplady, H. & Whewell, E., 9 Apr 2024, In: Visual Studies. p. 1-6 6 p.

### **Building success through outdoor adventure**

Whewell, E. & Allan, J., 15 Nov 2023, In: Physical Education Matters. Autumn 2023, p. 1-5 5 p.

### **The Role of the Family in Early Years Education: An Eye View Series Report**

Clark, H., Royal, P., Robillard Webb, L., Wright, P., Rosier, C., Beart, S., Blandford, S., Veale, V., Bayou, E., Norman, D. A., Tonkin, A., Whewell, E., Hodgson, A., Warrington, D., Hill, B., Adenaike, M., Cooke, K., Murray, D. P., Murray, D. A., Silberfeld, C., & 4 others Briggs, M., Brewis, T., Hall, M. & Beevers, V., 20 Sept 2023, Children's Alliance. 26 p. (Eye View Series)

### **'Engaging' students with education: promoting inclusivity through technology.**

Whewell, E. & Power, A., 18 Sept 2023, NAACE Advancing Education Journal, p. 8 12 p.

### **The why, how and when of LGBT+ education in primary schools in England.**

Whewell, E., Tiplady, H. & Shrive, H., 23 Aug 2023.

### **Bringing Learning Alive: empowering the use of immersive technologies to blend physical and digital spaces**

Howe, R., Caldwell, H. (ed.), Whewell, E. (ed.), Achtypi, A., Aidonopoulou, T. (ed.), Harris, J. (ed.), Ellis, H., Love, Y. & Judge, S. (ed.), 23 Jun 2023.

### **Surviving not thriving: The lived experiences of neurodiverse learners at the University of Northampton**

Whewell, E., Tiplady, H. & Judge, S., 22 Jun 2023.

### **Supporting Pupils' Learning**

Whewell, E., Meechan, D. & Caldwell, H., 9 Jun 2023, (Accepted/In press) *A Practical Guide for Mentoring Beginning Computing Teachers*. Roushan, G., Polkinhorne, M. & Patel, U. (eds.). Routledge

### **LGBT+ EDUCATION IN PRIMARY SCHOOLS: A collaborative investigation into teachers' perceptions of why, how and when LGBT+ content could be taught in primary schools.**

Whewell, E. & Tiplady, H., 17 May 2023.

### **The why, how and when of LGBT+ education**

Shrive, H., Whewell, E. & Tiplady, H., 20 Dec 2022, Birmingham City University Education Journal Magazine, 3, 1, p. 27-32 6 p.

**Making the impossible, possible: Lessons learnt to ensure embodied physical education teacher education within COVID-19 times and beyond, regardless of the learning medium**

Howells, D. K., Murray, D. A., Pearson, J. & Whewell, E., 2 Aug 2022, In: Contemporary Issues in Practitioner Education. p. 1-11 11 p.

**Educational Technology: Opportunities and Challenges**

Whewell, E. & Snook, A., 27 Jul 2022, Hello World, 19, p. 54-55 2 p.

**Learning from undergraduate students' experience of the Digital Learning Across Boundaries (DLAB) project**

West, A., Caldwell, H., Whewell, E. & Garrett, B., 23 Jun 2022. 1 p.

**LGBT+ Education in Primary Schools: A collaborative investigation into teachers' perceptions of why, how and when LGBT+ content could be taught in primary schools.**

Shrive, H. (ed.), Tiplady, H. & Whewell, E., 21 Jun 2022.

**Changemakers as digital makers: Connecting and cocreating**

Whewell, E., Caldwell, H., Frydenberg, M. & Andone, D., 24 Jan 2022, In: Education and Information Technologies. 27, 5, p. 6691-6713 23 p.

**The Physical Health of Children and Young People**

Clark, H., Randall, D. V., Royal, P., Wright, P., Ferguson, A., Sutcliffe, B., Bradshaw, B., Silberfeld, C., Jacob, C., Graham, C., Murray, D. A., Norman, D. A., Whewell, E., Mackay, E., Griggs, D. G., Charman, H., Musgrave, J., Pearson, J., Howells, D. K., Murray, D. P., & 22 othersWanninayake, S., Navidi, U., Cherry, E., Bayou, E., Michelson, I., Nicolas, J., Wharton, J., Cooke, K., Smith, K., James, K., Hanson, M., Jopling, M., Lubrano, M., Baber, M., Follett, M., Viggars, M., Coleman, N., Stratton, G., Godfrey, K., Brewis, T., Beswick, T. & Veale, V., 10 Dec 2021, Children's Alliance.

**Digital Learning Across Boundaries: Immersive technologies supporting changemaking in an international context**

Whewell, E., Caldwell, H., Garrett, B. & Malloch, G., 15 Jul 2021, In: Research in Education and Learning Innovation Archives. 27, 27, p. 19-32 14 p.

**Student perceptions of learning to teach the foundation subjects: How do pre-service teachers in England perceive the curriculum subjects in primary schools – and are foundations secure?**

Whewell, E., Caldwell, H., Crawford, H., Bracey, P., Shelley, C. & Heaton, R., 18 Jun 2021, In: Researching Education.

**A reflection of using videos of interactions between expert and novice practitioners: An in-depth exploration of the experience of expert and novice teachers**

Whewell, E., Garrett, B., Tiplady, H., Byles, R. & Briggs, T., 15 Jun 2021.

**Digital Learning Across Boundaries: Using digital technologies to innovate digital collaborations and develop changemaking in student teachers.**

Whewell, E., Garrett, B. & Caldwell, H., 15 Jun 2021.

**The Covid Generation: A Mental Health Pandemic in the Making: The impact on the mental health of children and young people during and after the COVID-19 pandemic**

Whewell, E., 19 Apr 2021, APPG Fit and Healthy Childhoods. 72 p.

**Reflections on practice Co-created by experts and novices using video collaboration software.**

Whewell, E., Caldwell, H., Tiplady, H., Garrett, B., Byles, R. & Briggs, T., 8 Apr 2021.

**Teaching on insecure foundations? Pre-service teachers in England's perceptions of the wider curriculum subjects in primary schools**

Caldwell, H., Whewell, E., Bracey, P., Heaton, R., Crawford, H. & Shelley, C., 4 Mar 2021, In: Cambridge Journal of Education. 51, 2, p. 231-246 16 p.

**Reflecting upon teacher identity, self-efficacy and teaching physical education in primary trainee teachers**

Whewell, E. & Garrett, B., 1 Mar 2021, In: *Physical Education Matters*. Spring 2021, p. 81-84 5 p.

**Sharing Practice in an International Context – a Critique of the Benefits of International Exchanges for Trainee Teachers**

Whewell, E., Cox, A. & Theinert, K., 1 Feb 2021, In: *The eastern european journal of transnational relations*. 4, 1, p. 33-48 16 p.

**Towards a Digital Pedagogy of Inclusive Active Distance Learning**

Caldwell, H., Whewell, E., Devecchi, C., Quirke, M. & McGukin, C., 2021, *The Impact of COVID-19 on Teaching and Learning in Higher Education*. Studente, S., Ellis, S. & Desai, B. (eds.). New York: Nova Science Publishers, p. 23-51 28 p.

**Mentoring: skills, knowledge and attributes of a successful physical education mentor**

Whewell, E., 9 Dec 2020, *Springer Encyclopedia of Teacher Education*. Springer

**Continuing to provide the Education in Physical Education: Experiences of the physical education teacher education network**

Howells, D. K., Whewell, E. & Garrett, B., 1 Nov 2020, In: *Physical Education Matters*. 15, 3, p. 89-93 5 p.

**Wellbeing and Nurture: Physical and Emotional Security in Childhood**

Clark, H., Royal, P., WEST, H., McGlone, P. F., Walker, A. P. S., Devine, S. L., Barlow, J., Albon, D. D., Elfer, D. P., Norman, D. A., Sigman, D. A., Graham, C., Hutchinson, C., Harris, D. G., Upton, L., Thomas, J., Jephcott, M., Whewell, E., Lumsden, E., Revell, E., & 9 othersHodgson, A., Salt, K., Lochrie, P., Brown, P. F., Murray, D. A., Murray, D. P., Lubrano, M., Day, K. & Gribble, J., 14 Jul 2020, APPG Fit and Healthy Childhoods. 70 p.

**Digital Learning Across Boundaries: Augmented and virtual reality supporting effective international learning**

Caldwell, H., Whewell, E., Malloch, G. & Garrett, B., Jul 2020, *NAACE Advancing Education Journal*, Summer 2020, p. 23-29 7 p.

**Digital Learning Across Boundaries: Augmented and virtual reality supporting changemaking in an international context.**

Caldwell, H., Whewell, E., Malloch, G. & Garrett, B., 16 Jun 2020.

**The impact of visual posts on creative thinking and knowledge building in an online community of educators**

Caldwell, H., Heaton, R. & Whewell, E., Jun 2020, In: *Thinking Skills and Creativity*. 36, 14 p., 100647.

**Mental Health Through Movement**

Clark, H., Royal, P., WEST, H., Randall, D. V., Silk, P. M., Patnail, D. A., Shahid, S., Yelling, D. M., Coleman, N., Wright, C., Kay, S., Bagnall, P., Sigman, D. A., Adams, S., Albon, D. D., Murray, D. A., Murray, D. P., Hodgson, A., Hill, R., Whewell, E., & 13 othersPalmer, G., Lee, D., Javor, A., Lubrano, M., Salt MBE, K., Lochrie, P., Thomas, J., Jephcott, M., Norman, D. A., Manners, D. L., Pearson, J., Murray, J. & Howells, D. K., 1 Oct 2019, APPG Fit and Healthy Childhoods. 57 p.

**Primary Physical Education Teacher Identity**

Whewell, E., 31 Aug 2019, (E-pub ahead of print) *Encyclopedia of Teacher Education: Living Edition*. Peters, M. A. (ed.). Springer, p. 1-5 5 p.

**The Primary PE and School Sport Premium**

Clark, H., Royal, P., WEST, H., Randall, D. V., Murray, D. A., Coleman, N., Griggs, D. G., Whewell, E., Foster, S., Bayfield, A. S., Wright, C., Thornton-Bousefield, K., Denington, J., Williams, S., Rollins, N., Healey, M., Sexton, K., Pearson, J., Platt, G., Crichton, M., & 5 othersDavies, C., Dryer, G., Harris, J., Palmer, G. & Wilson, D., 1 Feb 2019, APPG Fit and Healthy Childhoods. 55 p.

**Outdoor Learning: Using technology to engage with the physical world**

Whewell, E. & Woolley, K., 5 Dec 2017, *Technology for SEND in Primary School*. Caldwell, H. & Cullingford-Agnew, S. (eds.). Sage, p. 43-55 13 p.

### **Switched on iPads Science**

Caldwell, H., Heaton, R., Whewell, E. & Grantham, S., 18 Mar 2015, London: Rising Stars.

### **Physical education**

Whewell, E., Woolley, K. & Kellam, R., 1 Mar 2014, *Subject Teaching in Primary Education*. Smith, P. & Dawes, L. (eds.). UK: Sage, p. 209-232 24 p.

### **Equality in the primary school: Physical Education**

Whewell, E. & Hardman, J., 24 Nov 2011, *Equality in the Primary School: Promoting Good Practice Across the Curriculum*. Hill, D. & Robertson, L. H. (eds.). 1st ed. Continuum, p. 195-213 19 p.

### **Evaluation of Special School Placements as part of the BA (QTS) Primary Education learning experience 2009-2010**

Whewell, E. & Devi, A., May 2011.

### **Yoga and the Massage in Schools**

Whewell, E. & Watts, M., 2 Jun 2010, In: *Physical Education Matters*. 5, 2, p. iii-v

### **Linked Learning and its Place within the Teaching of Physical Education in the Primary School**

Whewell, E. & Kellam, R., 1 Jun 2009, In: *Physical Education Matters*. Summer, iii

## **Activities**

### **Hearing the student voice: universal design for learning (UDL) as a framework for pedagogical reform in Higher Education**

Emma Whewell (Author) & Alison Power (Author)

4 Feb 2024 → 6 Feb 2024

### **Supporting and recognising achievements in learning in the outdoors.**

Emma Whewell (Organiser) & Helen Tiplady (Organiser)

8 Jan 2024

### **Association for Science Education Annual Conference**

Emma Whewell (Speaker) & Helen Tiplady (Speaker)

4 Jan 2024 → 6 Jan 2024

### **Active Digital Education for Inclusive Pedagogies**

Emma Whewell (Author) & Helen Caldwell (Author)

19 Dec 2023

### **'Engaging' with Education through Technology: Supporting At Risk Young People with their Next Steps**

Emma Whewell (Author) & Alison Power (Author)

22 Aug 2023

### **'Engaging' with education through technology: supporting at risk young people with their next steps**

Emma Whewell (Author) & Alison Power (Author)

5 Jul 2023

### **'Engaging' students with education: promoting inclusivity through technology**

Alison Power (Author) & Emma Whewell (Author)

4 Jul 2023 → 6 Jul 2023

### **Bringing Learning Alive: empowering the use of immersive technologies to blend physical and digital spaces**

Emma Whewell (Author) & Helen Caldwell (Author)

3 Jul 2023

**Chester House Estate: Co-creating AR activities**

Rob Howe (Author), Helen Caldwell (Author), Emma Whewell (Author), Rob Lambert (Author), Jim Harris (Author), Tereza Aidonopoulou (Author) & Alexia Achtypi (Author)

30 Jun 2023

**ENGAGING' with Padlet**

Emma Whewell (Author) & Alison Power (Author)

22 Jun 2023

**The learning experiences of neurodiverse learners at the University of Northampton**

Emma Whewell (Author), Helen Tiplady (Author) & Sam Judge (Author)

22 Jun 2023

**'Engaging' students with education: promoting inclusivity through technology**

Emma Whewell (Author) & Alison Power (Author)

17 May 2023

**Exploring level 5 student's lived experiences of the barriers to their progression and attainment**

Emma Whewell (Author) & Lee Waters (Author)

26 Apr 2023

**Exploring level 5 student's lived experiences of the barriers to their progression and attainment.**

Emma Whewell (Author) & Lee Waters (Author)

26 Apr 2023

**Technology, Pedagogy and Education (Journal)**

Emma Whewell (Reviewer)

1 Mar 2023 → ...

**'Engaging' students with education: promoting inclusivity through technology**

Alison Power (Author) & Emma Whewell (Author)

23 Nov 2022 → 25 Nov 2022

**Technology, Pedagogy and Education Association (External organisation)**

Emma Whewell (Chair)

1 Nov 2022 → 1 Nov 2026

**Understanding level 5 sport and exercise student's perspectives of barriers to progression at UON**

Emma Whewell (Author), Lee Waters (Author) & Mark Wall (Author)

23 Jun 2022

**Rhizomatic Learning - digital tools for Active Distance Education**

Emma Whewell (Author) & Helen Caldwell (Author)

21 Jun 2022

**The future for blended and distance learning**

Emma Whewell (Author), Helen Caldwell (Author), Kate Coulson (Author), Jim Harris (Author) & Rob Howe (Author)

17 Jun 2022

**Digital Learning Across Boundaries - Multiplier Event, Howest Campus, Bruges**

Frederik De Laere (Speaker), Emma Whewell (Author), Jean Edwards (Author), Karen Woolley (Author), Hilde Øen (Speaker), Amy West (Author), Beth Garrett (Author), Helen Tiplady (Author), Malin Hultqvist (Speaker), Christine Worm (Speaker), Espen Braaten (Author), Camilla Damsgaard (Author) & Lorena Casal (Author)

5 May 2022

**Reflections on Practice Co-created by Experts and Novices Using Video Collaboration Software**

Emma Whewell (Author) & Helen Caldwell (Author)

31 Mar 2022

**Digital Leaders Across Boundaries: Developing Changemakers**

Emma Whewell (Invited speaker) & Helen Caldwell (Invited speaker)

3 Dec 2021

**Reflections on practice co-created by experts and novices using video collaboration software.**

Emma Whewell (Speaker), Helen Caldwell (Speaker), Helen Tiplady (Author), Richard Byles (Author), Beth Garrett (Author) & Thomas Briggs (Author)

6 Sept 2021

**13th International Conference on Education and New Learning Technologies**

Emma Whewell (Author), Helen Caldwell (Author), Diana Andone (Speaker) & Mark Frydenberg (Author)

5 Jul 2021 → 6 Jul 2021

**Cogent Social Sciences (Journal)**

Emma Whewell (Editor)

1 Jul 2021 → ...

**Using IRIS connect to develop co-created ABL videos of interactions between expert and novice practitioners**

Emma Whewell (Author), Helen Tiplady (Author), Helen Caldwell (Author), Richard Byles (Author), Beth Garrett (Author) & Thomas Briggs (Author)

30 Jun 2021

**Reflections on practice co-created by experts and novices using video collaboration software**

Emma Whewell (Invited speaker), Helen Tiplady (Invited speaker), Helen Caldwell (Author), Richard Byles (Author), Beth Garrett (Author) & Thomas Briggs (Author)

18 Jun 2021

**The lived experience of newly qualified primary school teachers in their first year of teaching**

Emma Whewell (Author)

7 Jun 2021 → 11 Jun 2021

**Technology Outdoors**

Emma Whewell (Speaker), Helen Caldwell (Speaker), Jean Edwards (Speaker) & Karen Woolley (Speaker)

27 Mar 2021

**Taking Technology Outdoors, with Digital Northampton**

Helen Caldwell (Author), Emma Whewell (Author) & Beth Garrett (Author)

25 Sept 2020

**Digital Learning Across Boundaries: Using technologies to support changemaking in an international context.**

Emma Whewell (Invited speaker), Helen Caldwell (Invited speaker), Beth Garrett (Speaker) & Grant Malloch (Speaker)

12 Jun 2020

**Merged Futures 2020**

Iain Douglas (Chair), Helen Caldwell (Participant), Beth Garrett (Participant), Grant Malloch (Participant), Emma Whewell (Participant), Patrice Seuwou (Participant), Charlotte Patrick (Participant), David Blandy (Participant), Perry Timms (Participant), Richard Beards (Organiser), David Bevan (Organiser), Leah Thompson (Participant), Dean Hanley (Participant), Ken Punter (Participant), Cecil Gray (Participant), Mark Parrish (Participant), Judi Alston (Participant), Andy Campbell (Participant), Gabriella Okeefe (Participant), James Cushing (Participant), Heather Cowley (Participant), Nicolo Carpignoli (Participant), Steve Walsh (Participant), Clare Elsby (Participant) & Sean Toru (Participant)

12 Jun 2020

**Merged Futures Radio Interview for NLive**

Emma Whewell (Author), Helen Caldwell (Author), Beth Garrett (Author) & Grant Malloch (Author)  
Jun 2020

**How does mobile technology facilitate teachers to learn outdoors?**

Helen Caldwell (Author), Emma Whewell (Author) & Emma Whewell (Author)  
29 May 2020

**Identity formation in NQT PE specialists**

Emma Whewell (Speaker), vicky Randall (Speaker), Annette McGlochlin (Speaker) & Julie Pearson (Speaker)  
25 Jul 2018 → 28 Jul 2018

**Identity in NQT's**

Emma Whewell (Author)  
26 Apr 2018

**How does mobile technology facilitate teachers to learn outdoors.**

Emma Whewell (Invited speaker), Helen Caldwell (Invited speaker) & Rebecca Heaton (Speaker)  
18 Jan 2018

**Technology Outdoors**

Emma Whewell (Author)  
2017

**Digital Leaders Across Boundaries**

Helen Caldwell (Author), Neil Smith (Author) & Emma Whewell (Author)  
7 Jul 2016 → 9 Jul 2016

**Digital Leaders Across Boundaries- Using technology to enhance learning and teaching**

Emma Whewell (Speaker) & Helen Caldwell (Invited speaker)  
15 Jun 2016

**Digital Leaders Across Boundaries**

Helen Caldwell (Author), Evelyn Hartley (Author) & Emma Whewell (Author)  
17 May 2016

**I am a very small fish!**

Emma Whewell (Author)  
2016

**Supporting NQT's in School- Technology outdoors**

Emma Whewell (Author) & Karen Woolley (Author)  
2016

**Technology Outdoors workshop**

Emma Whewell (Author)  
2016

**Preparing to teach the new Curriculum... What do OFSTED want?**

Emma Whewell (Author)  
Nov 2014

### **Technology Outdoors**

Helen Caldwell (Author) & Emma Whewell (Author)

22 May 2014

### **Enhancing cross-curricular Primary ITT teaching in an outdoor context through the use of group blogs**

Helen Caldwell (Author), Paul Bracey (Author), Emma Whewell (Author) & Rebecca Heaton (Author)

13 May 2014

### **When opportunity knocks!**

Emma Whewell (Speaker), Anita Devi (Speaker) & Andrew Smith (Speaker)

2013

### **The complexities of reflective embodied physical education teacher education**

Emma Whewell (Author), Dr. Kristy Howells (Speaker), Julie Pearson (Speaker) & Dr. Alison Murray (Author)

30 Jun 2009

### **Factors Effecting Confidence to teach PE in PGCE Primary Students**

Emma Whewell (Author)

2008

## **Prizes**

### **Press/Media**

#### **A breath of fresh air, a taste of adventure and the chance to win a free school trip!**

Emma Whewell

13/09/21

1 Media contribution

#### **Budding PE teachers given a career leg up by Cobblers and Uni partnership project**

Emma Whewell

25/11/21

1 item of Media coverage

#### **ePassport project will support young people on their journey back into mainstream education**

Emma Whewell & Alison Power

22/09/22

1 item of Media coverage

#### **ePassport project will support young people on their journey back into mainstream education**

Emma Whewell & Alison Power

30/09/22

1 item of Media coverage

#### **ePassport project will support young people on their journey back into mainstream education**

Emma Whewell & Alison Power

26/09/22

1 item of Media coverage

#### **Expert opinion gets academics into government reports**

Emma Whewell & Charlotte Dann

10/05/21

1 item of Media coverage



### **Kingswood says now is the time for pupils to experience an adventure**

Emma Whewell

23/03/22

1 item of Media coverage

### **Kit out the Nation Campaign**

Emma Whewell

6/09/21

1 Media contribution

## **Awards**

## **Projects**

### **Bringing learning alive: empowering the use of immersive technologies to blend physical and digital spaces**

Caldwell, H., Whewell, E., Lambert, R., Howe, R., Harris, J. & Aidonopoulou, T.

1/08/22 → 30/06/23

### **DLAB: Digital Learning Across Boundaries**

Caldwell, H., Whewell, E. & Woolley, K.

1/09/16 → 31/08/19

### **ENGAGE: Engaging' students with education: promoting inclusivity through technology: Phase 2 (version 2 plus wider dissemination)**

Whewell, E. & Power, A.

9/09/22 → 30/06/23

### **Pedagogical Tools and Techniques for ABL Phase 1: enhancing learners' and educators' potential**

Whewell, E. & Power, A.

1/08/23 → 30/06/24

### **STEP Outside: Supporting education students to use outdoor spaces in their professional practice.**

Whewell, E., Richardson, T., Tiplady, H., Woolley, K. & Clanfield, J.

1/08/23 → 30/06/24

## **Student theses**

### **Experiences concerning the development of identities of primary school physical education specialist teachers during the first year of teaching in England. A phenomenological case study**

Author: Whewell, E., 5 May 2019

Supervisor: Murray, J. (Supervisor), Cox, A. (Supervisor) & Devecchi, C. (Supervisor)