

# Eve Pound

Office 16b Hicks Building  
Hounsfield Road  
Sheffield  
S3 7RH

ep455@cam.ac.uk  
epound1@sheffield.ac.uk

## Education

**Current: PhD** (University of Sheffield, 2019–, on interactions between Algebraic Geometry, Representation Theory, and Combinatorics with Dr Paul Johnson)

**Previous: MMath** (University of Cambridge, 2015–19)

**Part III Essay** On the structure of Chevalley groups over local fields

### Talks given

- Oxford Junior Algebra and Representation Theory Seminar (online)
  - Linking Partition Combinatorics to Hilbert Schemes, 2020
- UK IMO Training Camp (online)
  - Partition Combinatorics and links to Algebraic Geometry, 2020
  - Computing with Geometry, 2021
  - Partition Identities, 2021
- University of Sheffield
  - Pizza Seminar (for Undergraduates): Combinatorial proofs with a view to probability, 2019
  - Sheaf Seminar: Chevalley Groups over Local Fields, 2019
- Part III Seminar Series, University of Cambridge
  - Chevalley Groups over Local Fields, 2019
- Murray Edwards College Maths Circle
  - Affine Weyl Groups, 2019
  - Two-Player Games and Related Problems (with Panna Fekete, 2019)
  - Maths in Schools, 2019
  - Space Filling Curves, 2019
  - The Berge Conjecture, 2018
  - Properties of the Symmetric Groups, 2018
  - Combinatorial Inequalities, 2017

## Teaching

**Director** (supporting tutors, writing materials, and delivering classes)

- STEP summer school, Murray Edwards College (Cambridge) 2018–

**Lecturer** • MAS003(2) Foundation Year Mathematics, University of Sheffield, 2021

**Tutor** (writing materials and delivering classes)

- Level 1 Numbers and Groups, University of Sheffield, 2021

- UKMT Webinar Series, June 2020
- Groups Examples Classes, Trinity Hall / Murray Edwards College (Cambridge), 2020
- Y10 Problem Solving Classes, University of Sheffield, 2020
- UKMT summer school (Leeds), 2018/19
- Mathematics Summer School (Winchester), 2019–20
- Y10 Enrichment day, University of Sheffield, 2018/19
- STEP offerholders classes, Murray Edwards College, 2017–20
- Enrichment sessions, King Edward VII School (Sheffield), 2012–18

### **Undergraduate Admissions**

- Interviewer (writing questions, interviewing and assessing applicants)
  - Emmanuel College (Cambridge), 2018
  - Murray Edwards College (Cambridge), 2019–
  - Trinity Hall College (Cambridge), 2021
- Examiner (writing admissions exam, setting mark scheme and marking)
  - Murray Edwards College, 2021
- Student Representative to Admissions Committee (Cambridge), 2016-18

### **Substitute Tutor** (delivering classes)

- Y13 Enrichment classes, University of Sheffield, Sep–Oct 2018

### **Teaching assistant or Cambridge supervisor**

- Numbers and Sets, Murray Edwards, 2021
- Groups Rings and Modules, Trinity Hall College (Cambridge), 2021
- Analysis, University of Sheffield, 2021
- Group Theory, Trinity Hall, 2019–
- Numbers and Groups, University of Sheffield, 2020
- Y12–13 classes, University of Sheffield, 2015–20
- Y10–11 revision classes, King Edward VII School, 2015–17

### **Extended project supervisor / support worker**

- Dissertation support worker for the Master of Statistics course, University of Sheffield 2020/21
- UKMT Senior Mentoring Scheme, 2017–2019
- Summer project supervising for sixth formers, 2017/19

**Prizes** Outstanding Student Contribution to Education Awards 2019 (University of Cambridge, Peer Support Category, Highly Commended)

## **Examining Experience**

### **Senior Examiner** (leading a group of markers)

- Sixth Term Examination Papers II/III (STEP), 2021

### **Marker** (implementing and feeding back on mark scheme)

- Sixth Term Examination Papers II/III (STEP), 2020
- Level 1 Numbers and Groups Coursework Marking (MAS114)

- British Maths Olympiad, UK Maths Olympiad for Girls, Intermediate Maths Olympiad, 2015–2020
- International Maths Olympiad (Bath, UK), 2019

**Problem Captain** (writing mark scheme, checking consistency of marking).

- British Maths Olympiad, 2019
- UK Maths Olympiad for Girls, 2018–

**Problem Setting** (writing and/or selecting problems)

- UK Maths Olympiad for Girls, 2018–

## Talk organisation

**The Archimedean (Cambridge University Mathematical Society)**

- Speakers Officer (inviting speakers, organising talks) 2017–18
- Publicity Officer (advertising talks) 2016–17

## Work Experience

**Graduate Assistant**

- Millennium Maths Project, (DAMTP, University of Cambridge), Dec 2018

**Technician**

- King Edward VII School Physics Dept, 2014–15

**Bartender**

- The Rising Sun / The Sheffield Tap, Sheffield, 2014–16

## References

Available on request