

EPI-STEM

Introduction to the HEA Performance Study
A collaboration with EPI*STEM & PDMT programme

On-Line CPD Resources for Post-Primary Science and
Mathematics Teachers

Narrator: Dr. Geraldine Mooney Simmie
Director EPI*STEM National Centre for STEM Education



Aims of the HEA-PDMT-EPI•STEM research-led study

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Generation of new on-line CPD resources for science and mathematics [post-primary] teachers in Ireland

Adapted from and enhancing existing PDMT resources for all teachers

Supporting continuing professional learning and teacher agency

Supporting engaged pedagogies in the classroom and laboratory

Supporting Reflection and teacher learning [learning outcomes]



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Alignment of the HEA-PDMT-EPI•STEM study with National Policy Priorities

Cosán Teaching Council Policy on Teacher Learning 2019

DES STEM Policy Implementation 2017-2026

- **Teacher-led CPD** for teaching & teacher learning
- **Culturally & contextually sensitive pedagogies**
- **Across the Curriculum:** science literacy, numeracy; CSPE; global citizenship; care, shared humanity, sustainability of planet.
- **Learning Outcomes:** e.g. evidence, inquiry based [JCT, PDST, etc.]



Understandings of CPD Resources for Teachers

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- Professional Content knowledge: subject & pedagogy
- Multifaceted, multi-layered, complex, contextualised
- Exemplars: mentoring, leadership, coaching, in-service education
- Connect to new social contract in education [UNESCO 2021]
[equity, equality, inclusion, social justice, race relations, gender justice]



CPD Resources: supporting teachers develop new and stimulating ways of teaching and reflecting on teaching

- Multiple teaching approaches to engage student learners [pedagogies]
- Active Pedagogies & Productive Pedagogies
- Stimulate students interest in science/mathematics [joy, curiosity, care]
- Inquiry approaches: problem solving and problem posing

How to register for the on-line CPD resources

- Provides new ideas to animate your CPD and professional conversations
- Scaffold your journey of reflective practice as a professional teacher
- CPD resources are not a training manual for classroom/laboratory practices
- We invite you to register with us on our EPI•STEM website. We will send you the resources and invite you to let us know how useful you find them and how we can improve them
- We want to invite you to meet with us at EPI•STEM in the autumn



Research & Admin team on EPI•STEM/HEA study

Dr. Geraldine Mooney Simmie, Dr. Niamh O'Meara, Martina Ryan, Daniel Casey, Tara Ryan, Martina Scully, Keith Kennedy, Jack Nealon, Ailbhe Cassidy, Dr. Veronica Ryan, Adjunct Prof. Merrilyn Goos, Dr. Stephen Comiskey & Dr. Ciara Lane.

Web Link: <https://epistem.ie>

Twitter handle: @EPISTEM_UL

Facebook: @epiSTEM.NationalCentre

Email Helen Fitzgerald, Senior Executive Administrator:

helen.fitzgerald@ul.ie

