



Reflective Practice in STEM Education



**Welcome to
St. Mary's University
Emergent Training**





Reflective Practice in STEM Education



The workshops present an individual perspective of the STEM subjects in the context of Gender, Subject Content, Project-Based Learning and Problem Solving.



Reflective Practice in STEM Education



They highlight some of challenges of STEM Education in the classroom and raise awareness of the importance of the coordination of STEM subjects.



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It is appreciated that not every aspect of the workshop will be directly relevant to each partner. But just as with the STING toolkit, it is hoped each partner will take out of it what is relevant to them.

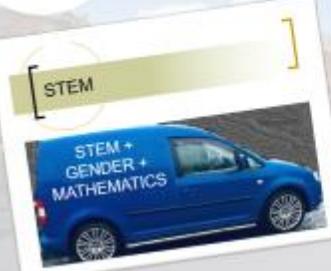


Reflective Practice in STEM Education



 **Day One**
17th February 2021

 St Mary's University College Belfast
A College of Queen's University



STEM + GENDER+MATHEMATICS

- Project-based learning
- STEM Careers
- STEM - collection of disparate subjects
- Mathematics teaching
- Mathematics performance and Gender
- Mathematics teaching and Gender
- Problem Solving
- Problem Solving Strategies
- Homework Challenge



 **Day Two**
18th February 2021

 St Mary's University College Belfast
A College of Queen's University



Science & STEM

- STEM in NI Curriculum: Gender Challenges & Solutions
- Scientific Inquiry
- Putting the Sting back into STEM



 **Day Three**
19th February 2021

 St Mary's University College Belfast
A College of Queen's University



Reflective Practice

Technology & Engineering in STEM

- Video Interactive Guidance and reflective practice
- Technology & Design in STEM
- Technology & Engineering in STEM Education
- Project Based Learning with Technology
- Plenary discussion





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STEM

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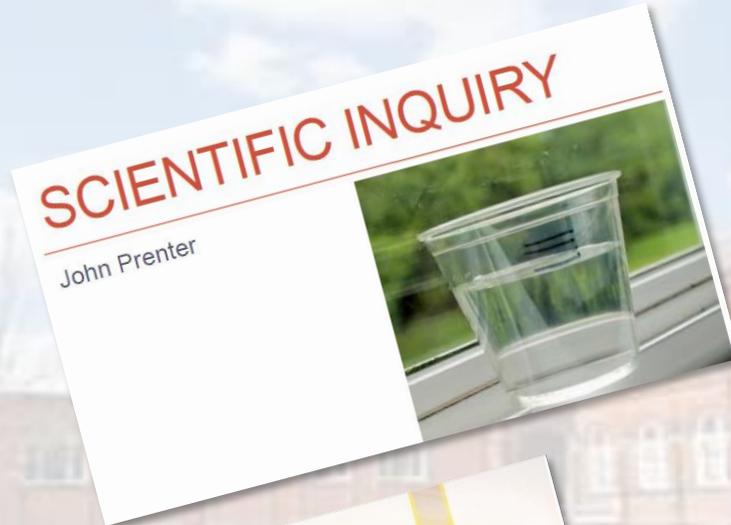
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Video Enhanced Reflective Practice in Education

Dr Tracey Mc Kay
Mrs Sharon Haughey

SMUCB Emergent Training 19th February 2021



Reflective Practice in STEM Education

Technology & Engineering in STEM Education





Day Three

19th February 2021



Video Interactive Guidance and Reflective Practice

Presented by

Mrs Sharon Haughey

Dr Tracey McKay



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