

Lesson Study in Portuguese Initial Teacher Education: Potentials and Challenges

Linda Cardoso, João Pedro da Ponte, Marisa Quaresma
Instituto de Educação da Universidade de Lisboa



ENCONTRO
COM A CIÊNCIA
E TECNOLOGIA
EM PORTUGAL

28 a 30 JUNHO 2021

#ciencia2021PT

Introduction

What is Lesson Study?

Lesson study is a formative process originally from Japan and now used throughout the world. In lesson study, a collaborative group plans a detailed lesson, called a research lesson, with the main focus on student learning, seeking to improve the teaching and learning of mathematics.

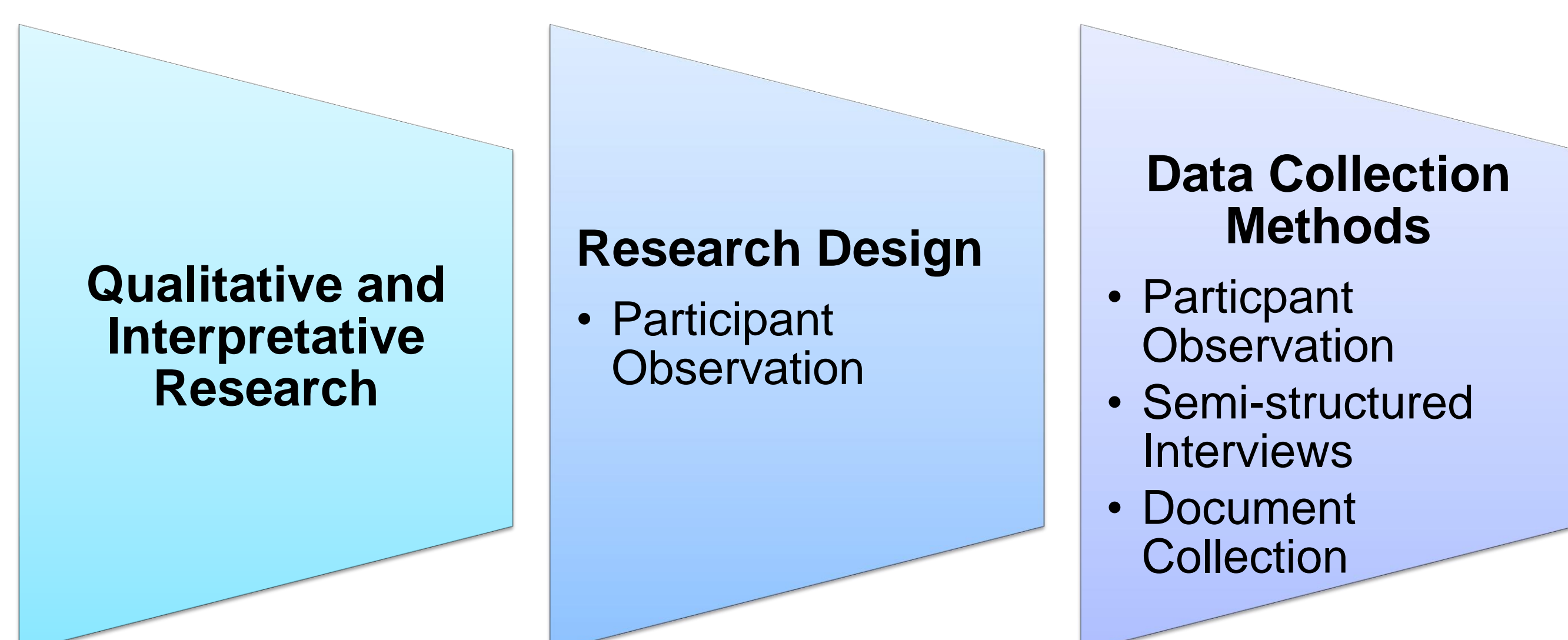
Research Goal

This research aims to understand how lesson study can promote the development of mathematical and pedagogical content knowledge of pre-service primary teachers and their perspectives about this process. More specifically, we seek what mathematical and pedagogical content knowledge pre-service teachers develop during lesson study and how this development occurs, and, from the perspective of the participants, what are the potentials and constraints of using lesson study in initial teacher education.

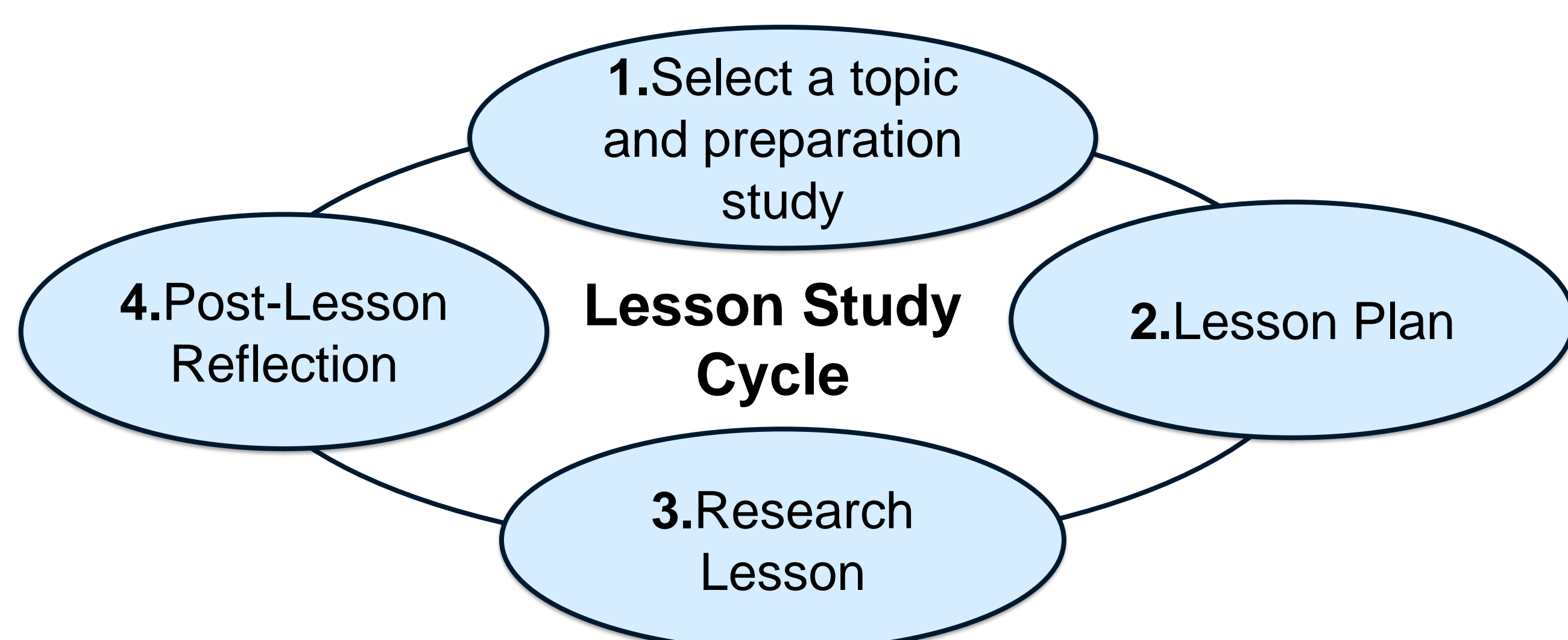


Fig. 1 – The Lesson Study expanded to the world through the book “The Teaching Gap” by Stigler & Hiebert (1999)

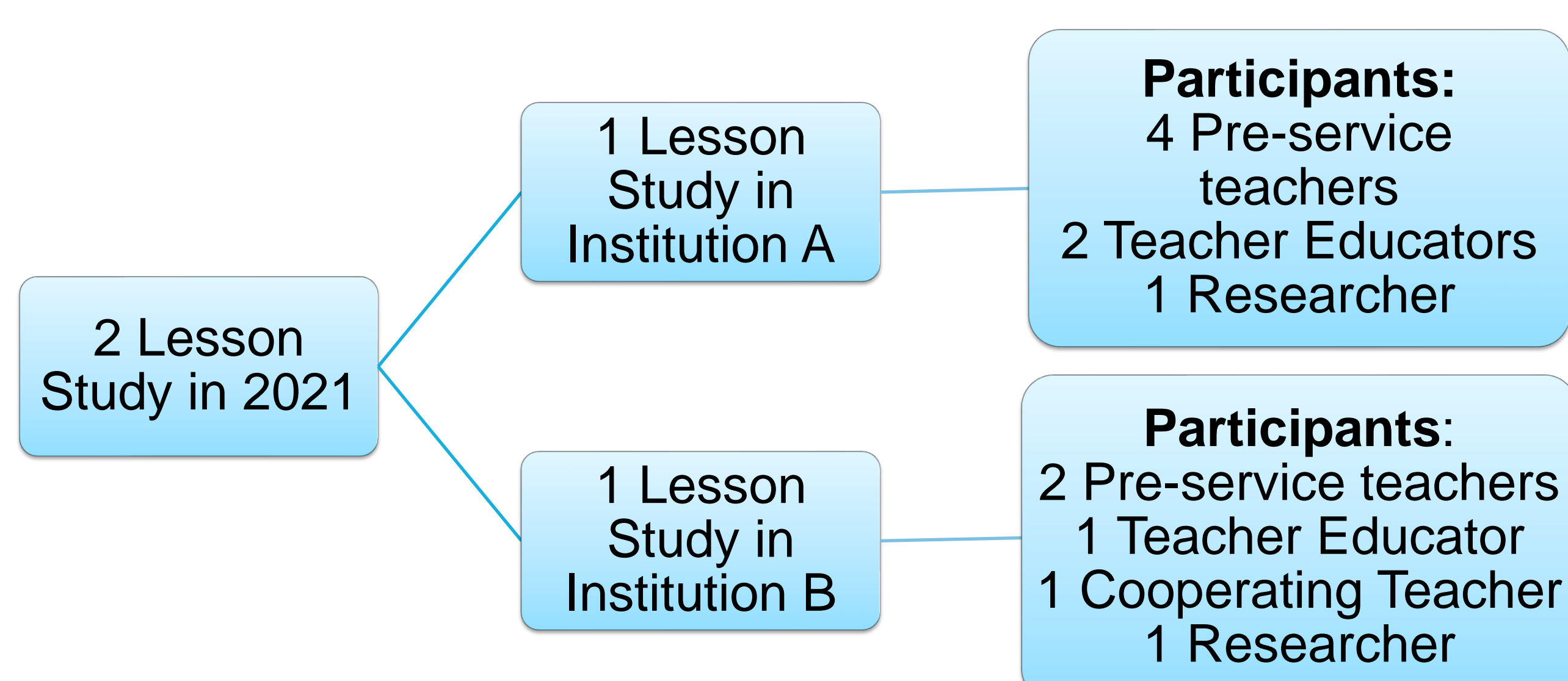
Methodology



Lesson Study Cycle

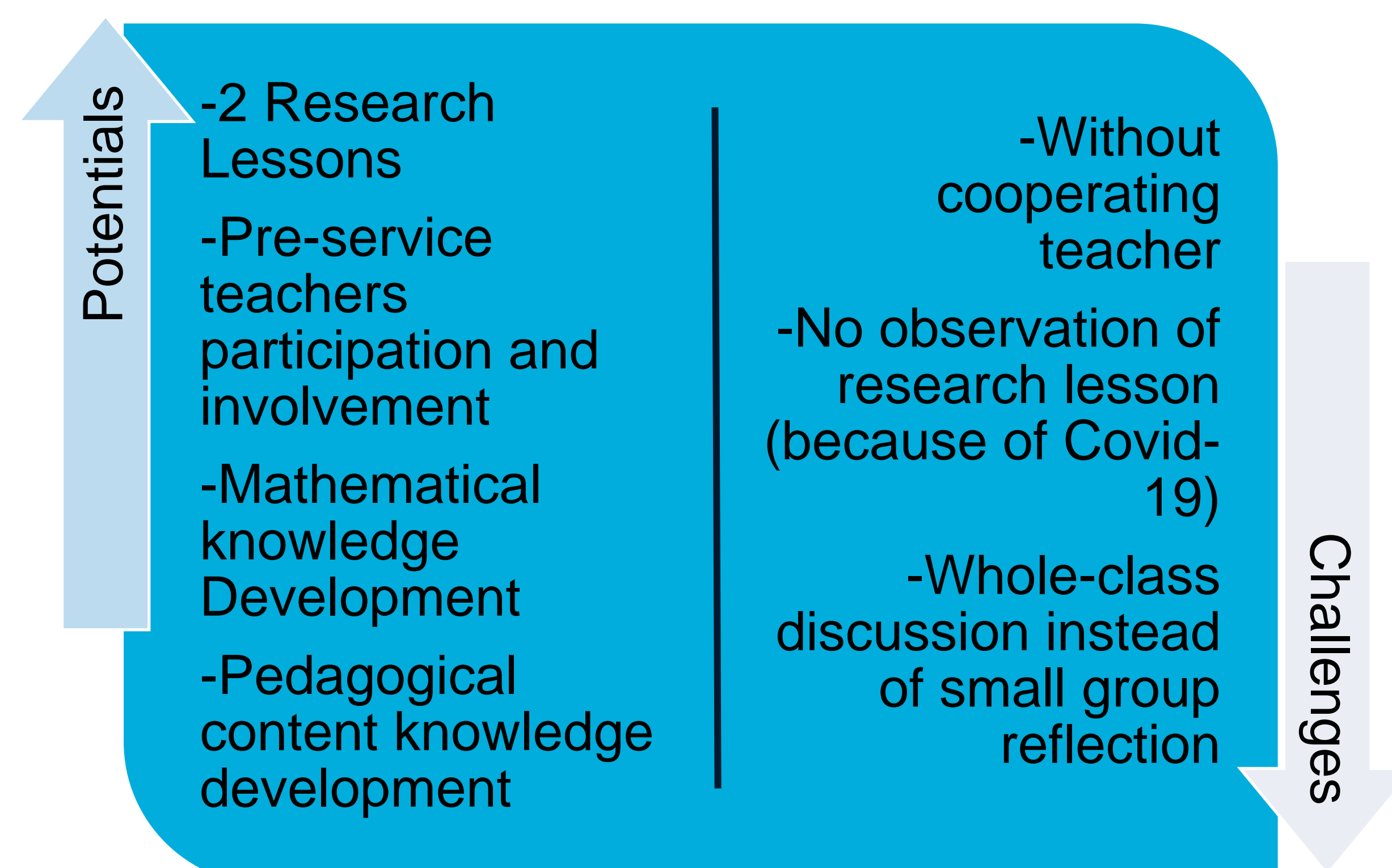


Data Collection

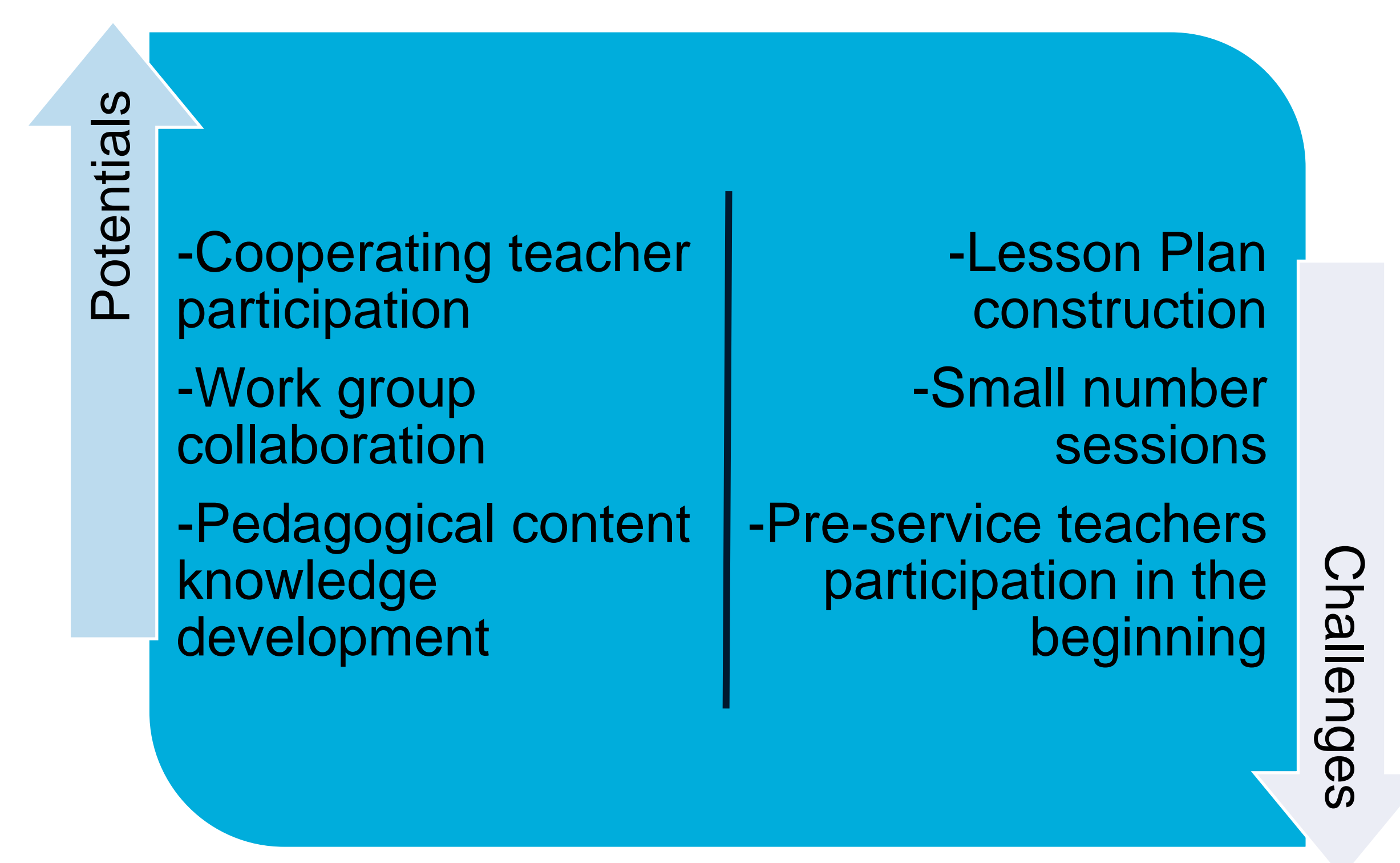


Preliminary Results

Lesson Study in Institution A



Lesson Study in Institution B



Conclusion

- 2 different adaptations of lesson study in initial teacher education
- Each lesson study had potential and challenges, many of the challenges were because of the Covid-19 pandemic, with restrictions in the classrooms and online sessions
- In the next year, two more lesson studies will be developed, considering the potential and challenges of these two lesson studies already developed

Acknowledgements

This investigation is funded by UIDEF, Unidade de Investigação e Desenvolvimento em Educação e Formação, of Instituto de Educação da Universidade de Lisboa (UI/BD/150763/2020, with the support of FTC – Fundação para a Ciência e Tecnologia.