

What Does Teaching and Learning Look Like in Different Classroom Environments?

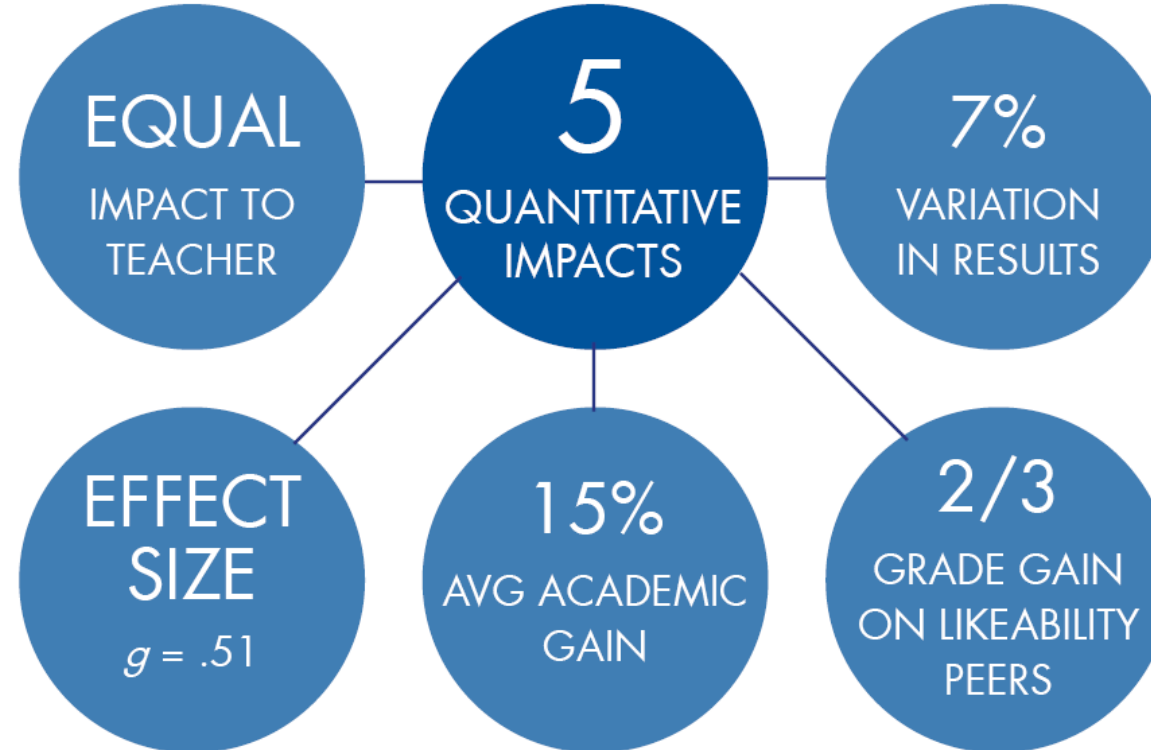
DR TERRY BYERS

DIRECTOR OF THE CENTENARY LIBRARY AT CHURCHIE

RESEARCH FELLOW IN THE ILETC PROJECT

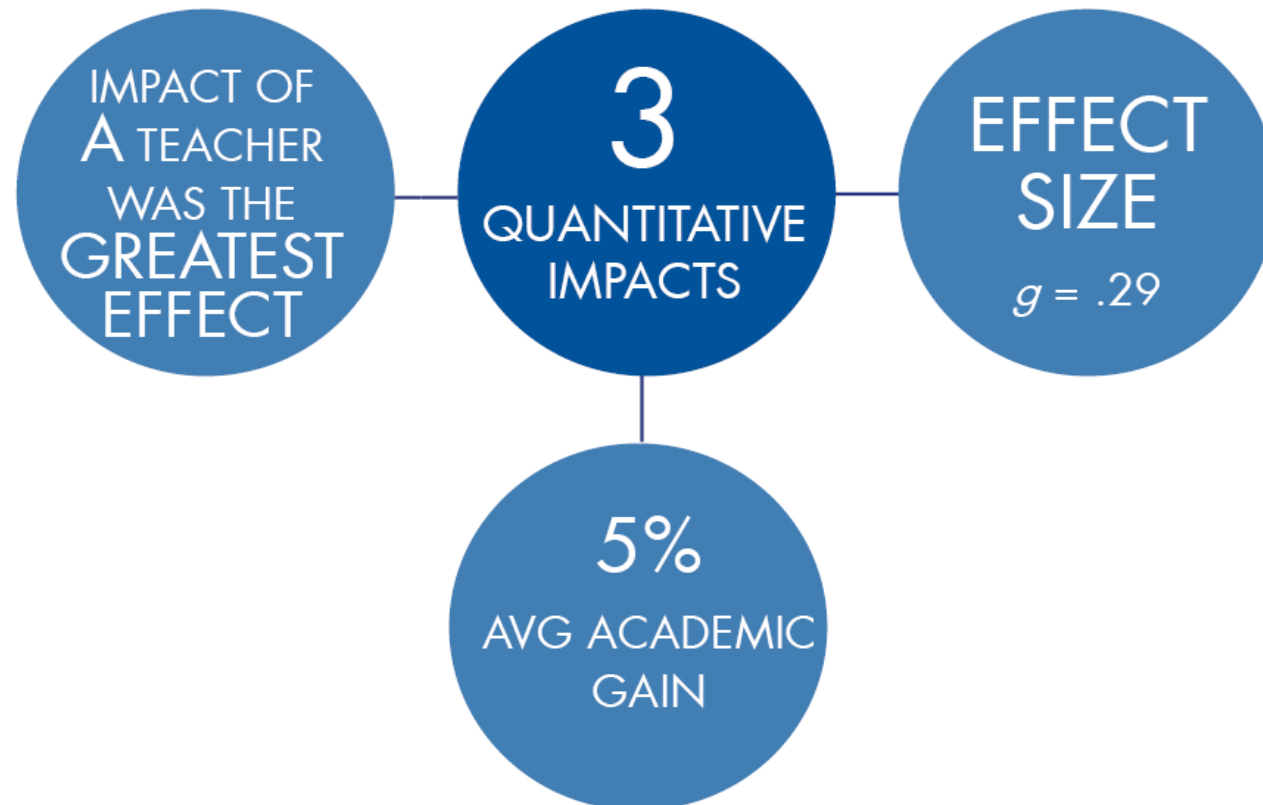
Evaluating the Effects of Different Classroom Spaces on Teaching and Learning

School A



Evaluating the Effects of Different Classroom Spaces on Teaching and Learning

School B



Understanding in what way Different Classroom Spaces Affect how Teachers' Work and Students' Learn

YEARS: 2014 – 2017

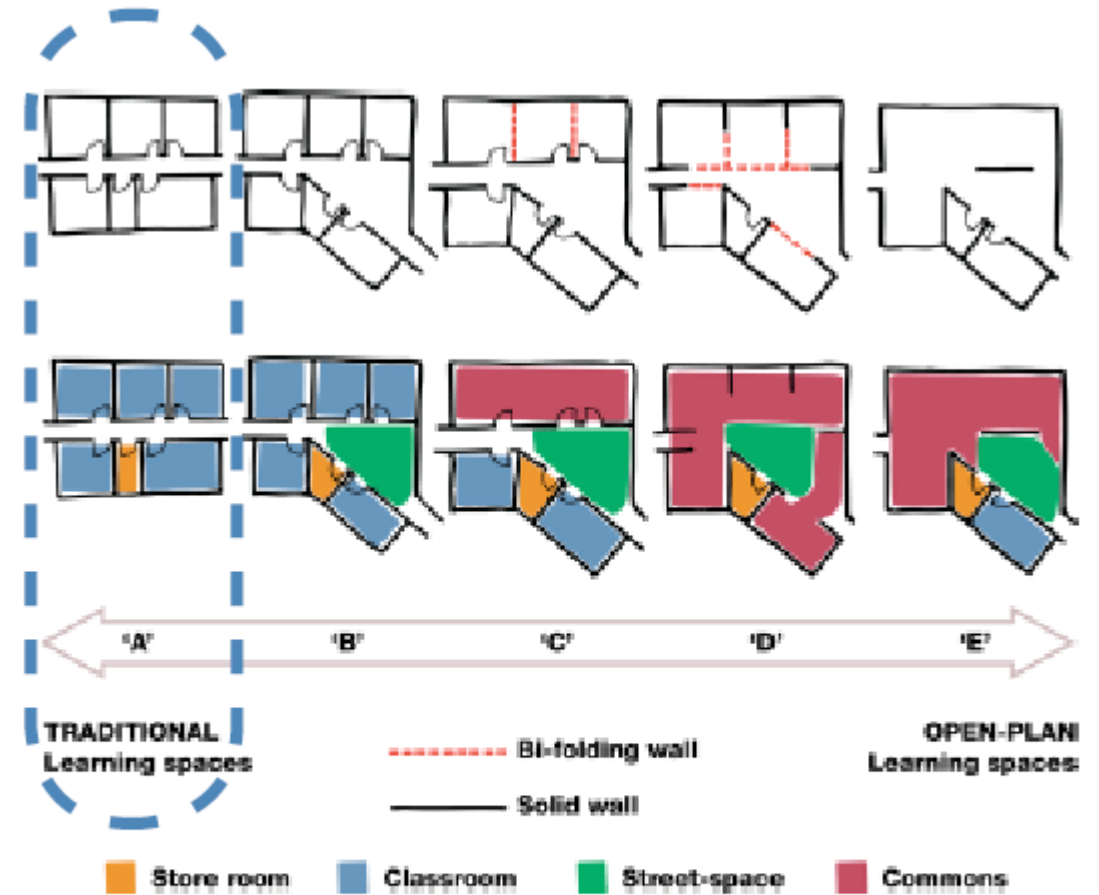
SAMPLE: 207 observations of 52 teachers (at least 3 observations)

SPATIAL TYPES: Type A (General Learning Area Classrooms), Type B (Science Laboratories) and Type D (Hayward Midson Creative Precinct and Centenary Library)

RESEARCH DESIGN: Quasi-experimental approach facilitated by a Single Subject Research Design

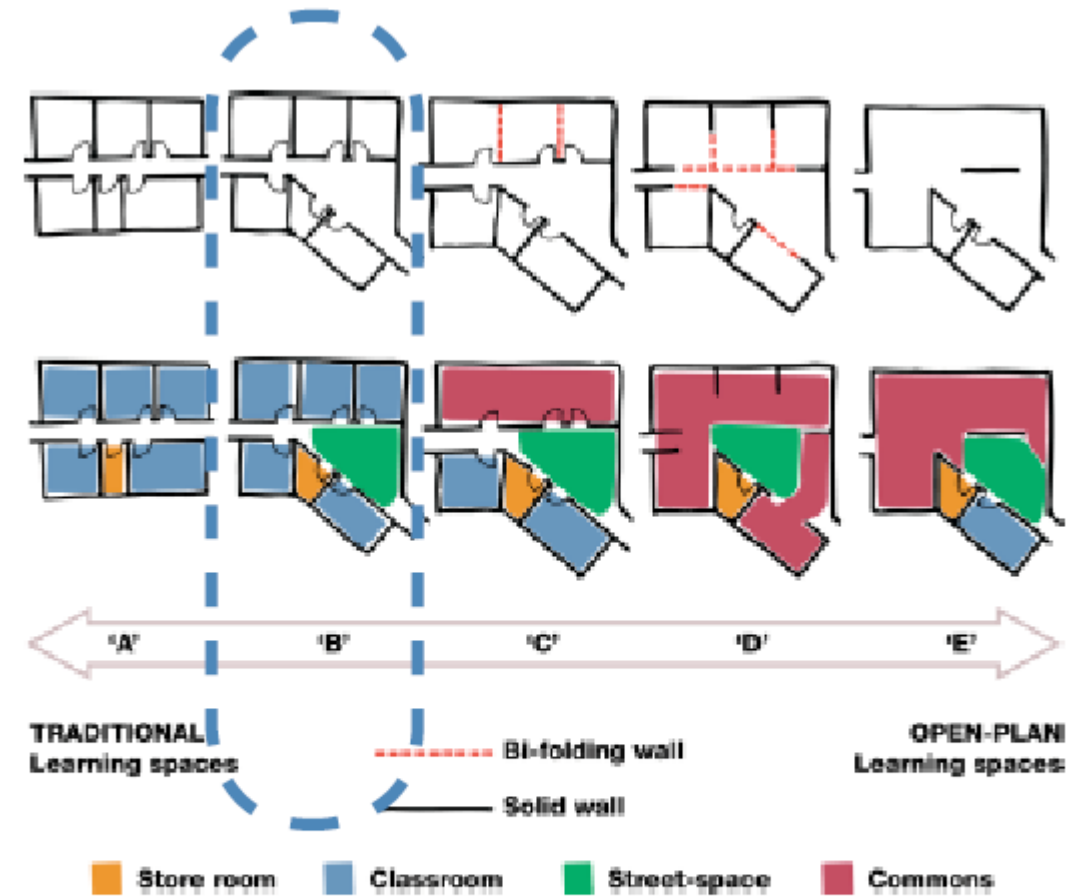
METHOD: Linking Pedagogy, Technology and Space (LPTS) Observational Metric

Three Spatial Types



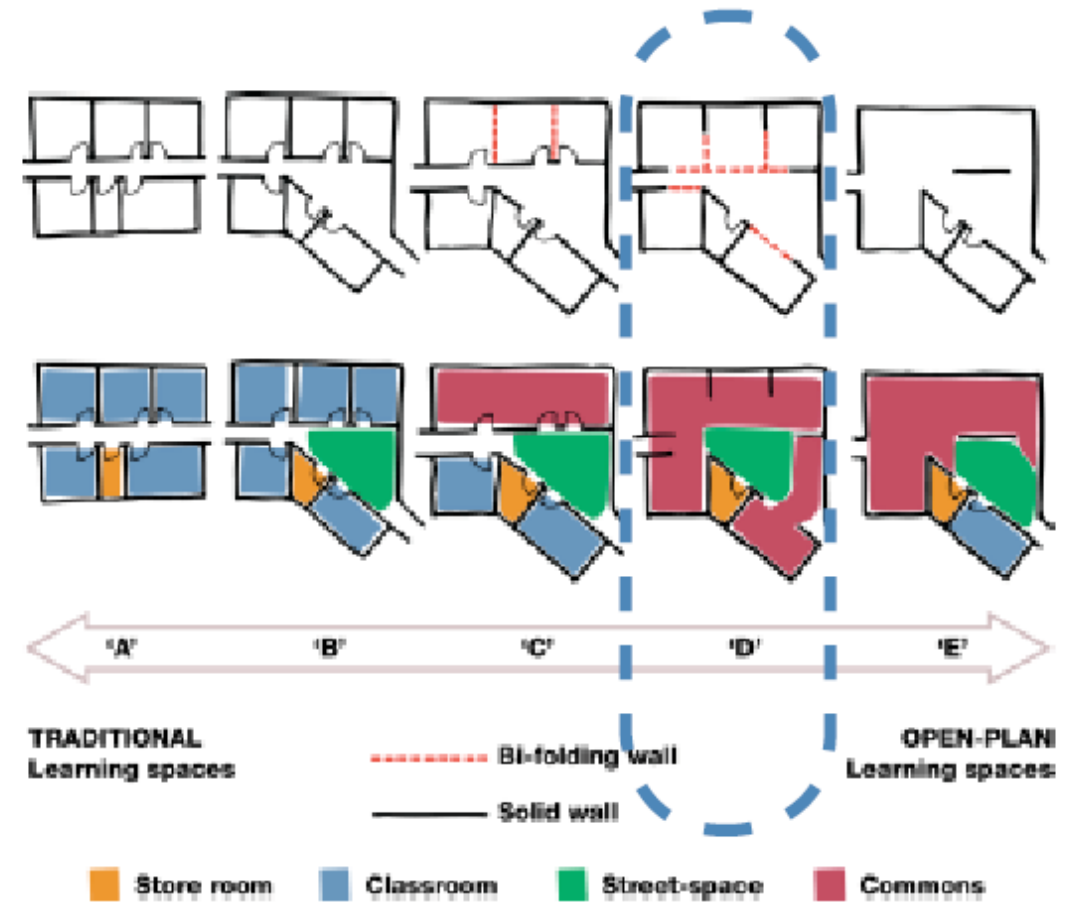
Dovey and Fisher's (2014) learning spaces typologies, as adapted in Imms et al, (2016)

Three Spatial Types



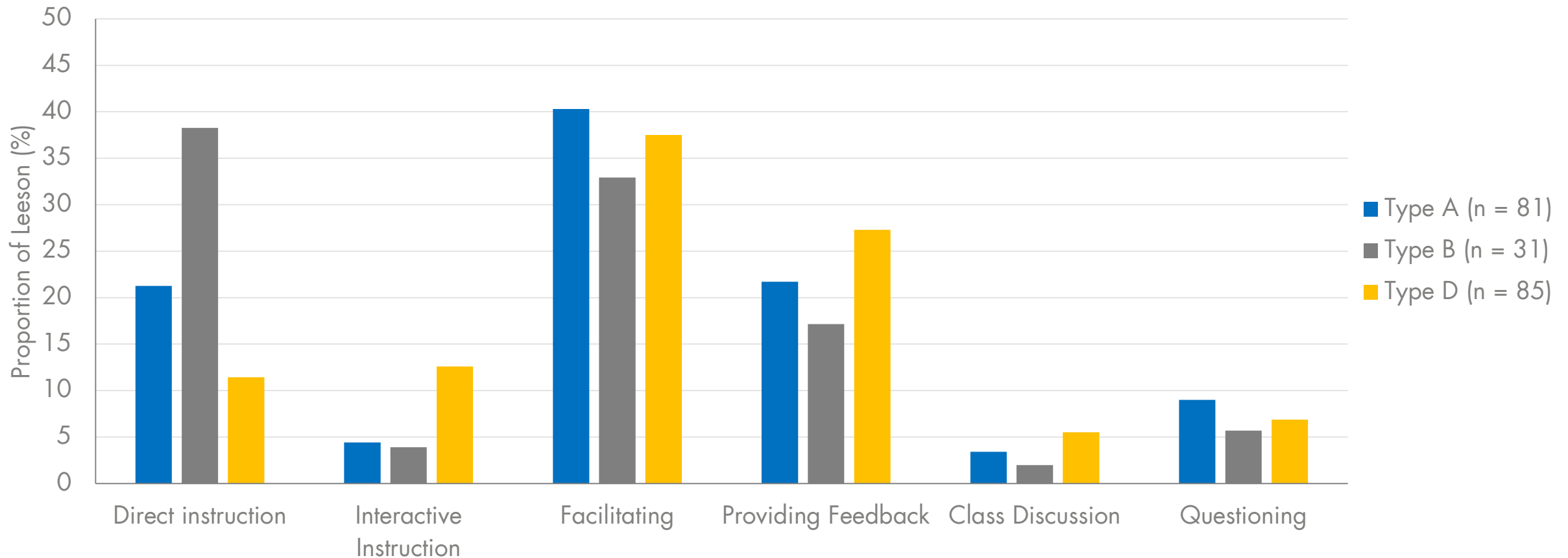
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Three Spatial Types

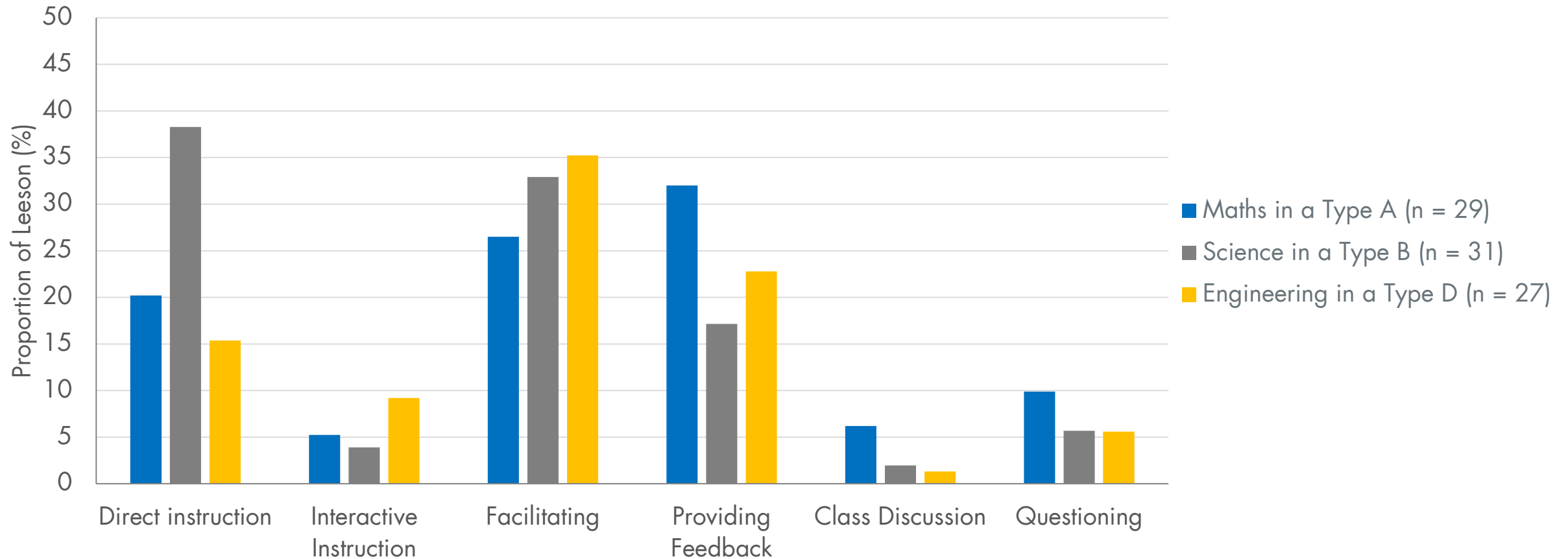


Dovey and Fisher's (2014) learning spaces typologies, as adapted in Imms et al, (2016)

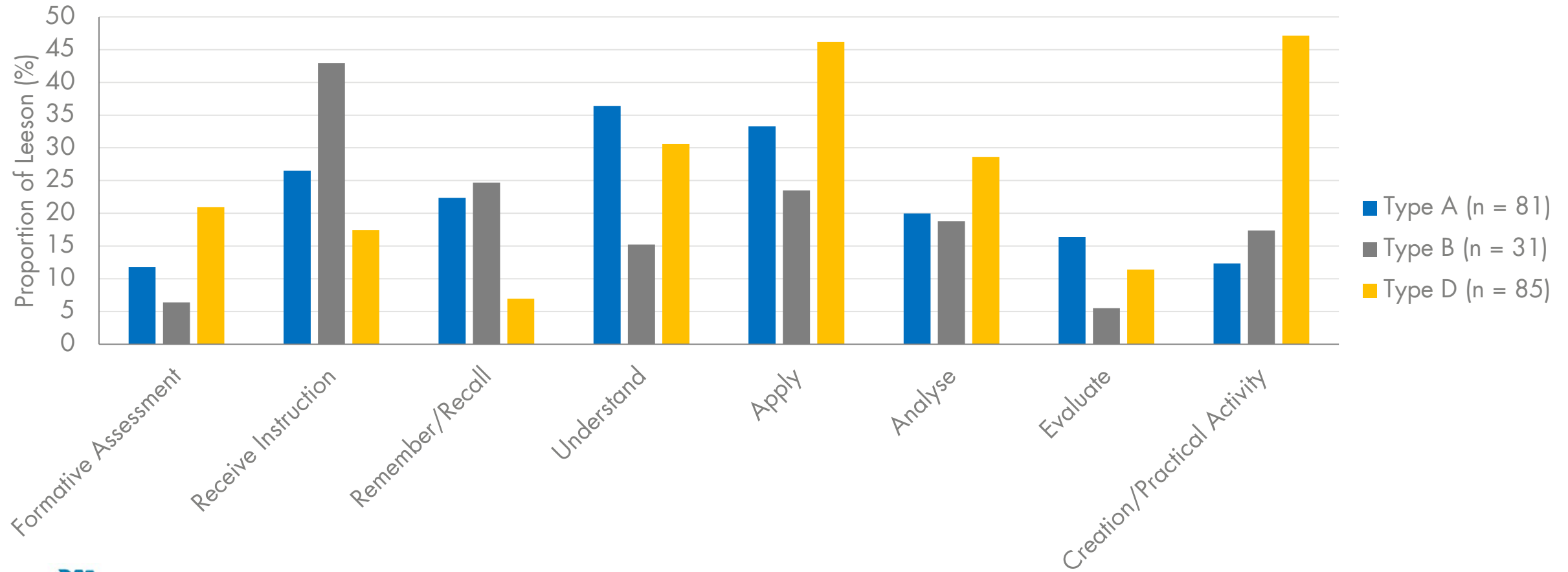
Are Teacher Practices Shaped by Different Spatial Types?



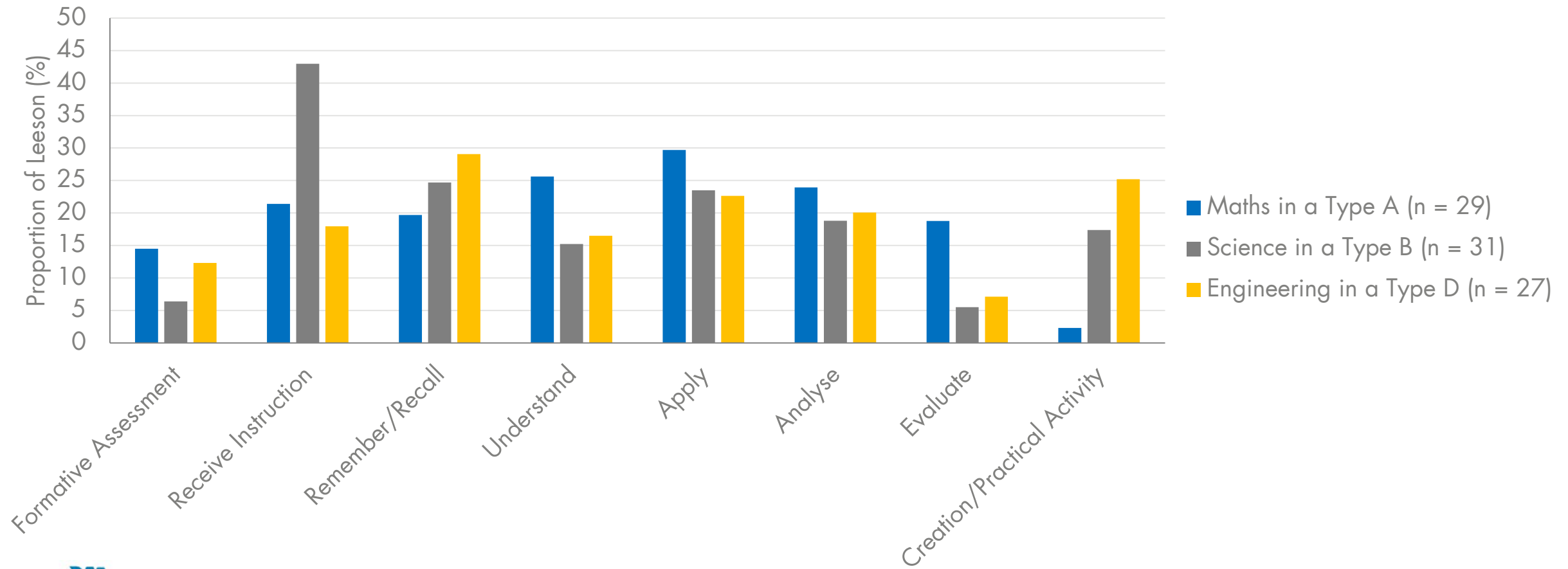
How Does Subject Type Influence Teacher Practices in Different Spatial Types?



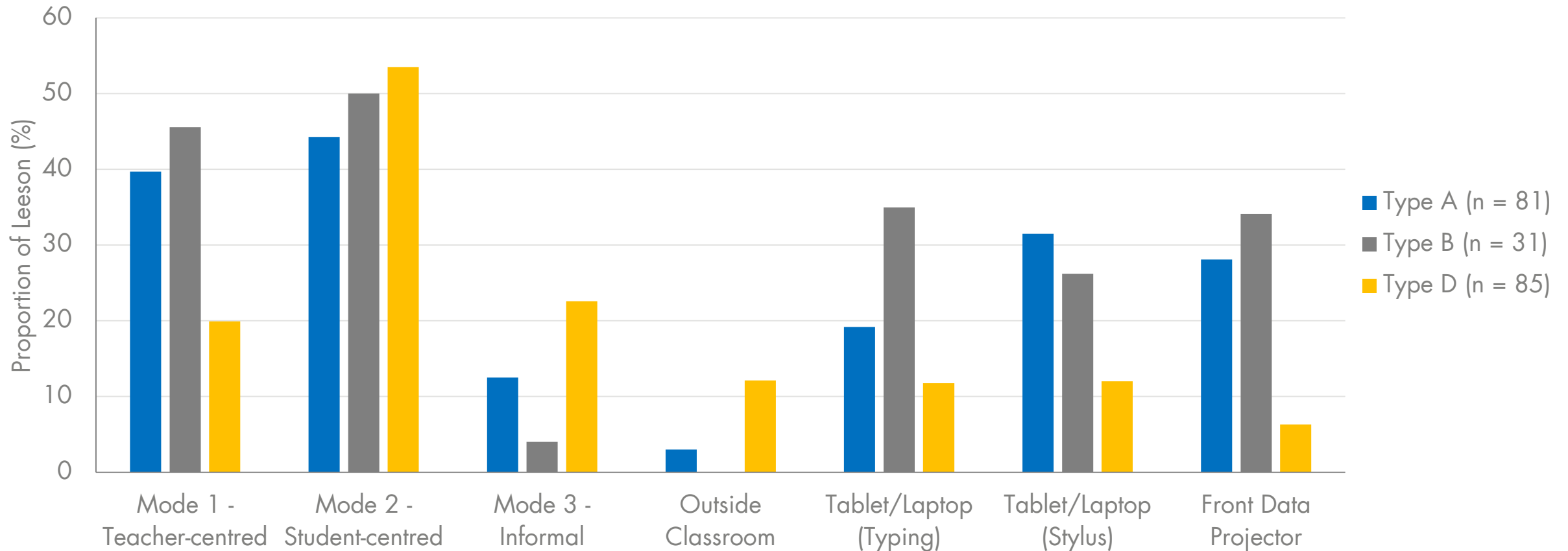
Student Learning Experiences in Different Spatial Layouts



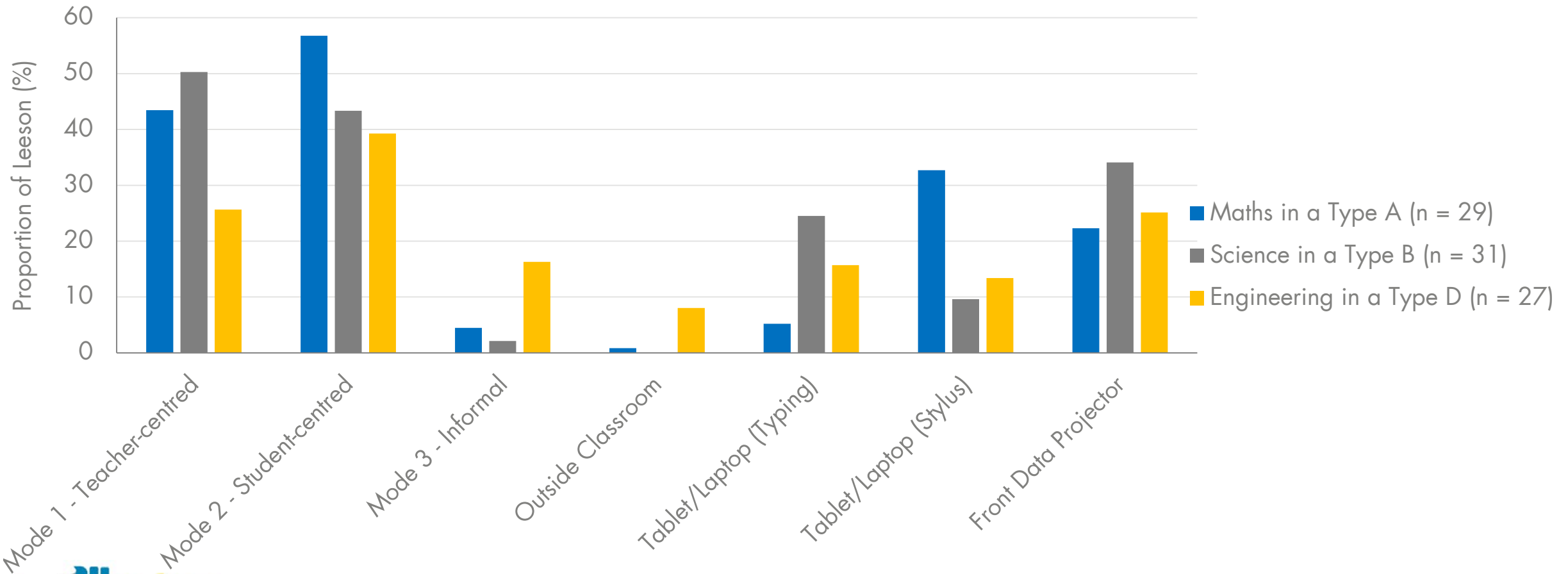
Student Learning Experiences of Similar Subjects in Different Spatial Types



How do Teacher Utilise Technologies in Different Spatial Types?



How do Teacher from Similar Subjects Utilise Technologies in Different Spatial Types?



Impact of Different Spatial Layouts is more about Context and Correlation, than Cause and Effect

- Develop a deeper understanding of the pedagogic possibilities of different subjects in the full spectrum of spatial types (What works for whom and when for what and why?)
- Better understand the mediating role teacher environment/spatial competencies
- A deeper appreciation of how teacher beliefs/mind frames influence the pedagogical use of different spaces
- Translate this understanding into teacher practice to transform student learning from good to great

FOR FURTHER INFORMATION
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