T-0001

Linking Pedagogy, Technology and Space (LPTS) Observational Metric

Category	Phase		Themes
⊗ Knowledge	✓ Early	✓ Collaboration and teamwork	⊗ School structures and organisation
⊗ Action	✓ Implementation	⊗ Curriculum	✓ Spatial competencies
✓ Evaluation	✓ Consolidation	✓ Design affordances	⊗ Student experience
✓ Professional development		⊗ Design and process	✓ Teacher experience
		✓ Evaluation	✓ Technology
		⊗ Leadership and change	⊗ Time
		✓ Pedagogy	
		✓ Professional development and support	

What does this tool do?

The LPTS metric is a Macro-enabled Excel spreadsheet that provides a proportionate breakdown of teacher and student timed activity and behaviours across five domains. The data can be presented in bar graphs and presents a snapshot (in time) of the observed lesson. The metric's design collates the data of repeated observations over time allowing between and within-teacher paired comparison. Furthermore, the data when collected through a repeated measures design can demonstrate teacher practice (and identify any change) through single or multiple interventions.

How can it help me?

The LPTS metric tracks the frequency and duration of a broad range of observable teacher and student actions. Its use of 'time' attempts to produce an objective insight into one's practice and its affect on learning experiences. Its use of instantaneous visual breakdown of various activities and behaviors in five domains can be easily shared and provide the basis for further professional conversations.

An example of the TOOL in practice

The LPTS metric has been used to evaluate the impact of different learning environments in schools and universities. The most notable is the evaluation of the Creative Precinct at the Anglican Church Grammar School (Churchie). The LPTS metric presented a unique mechanism to both evaluate and support teachers in how they navigated the transition process. Its real-time visual data representations allowed teachers to appreciate how various pedagogical changes materialised through their practice and how it shaped the learner's activity and behaviors.

Where can I find this resource?

The LPTS metric is freely available to teachers, schools and universities (under Creative Commons) from the Churchie Research Centre. The metric and examples of its use can be found at:
https://www.churchie.com.au/research-centre

Marist College, Bendigo.
Architects: Y2

Australian Government
Australian Research Council

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Want to know more?
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