

Designing impactful learning strategy interventions

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- Consolidating knowledge is vital for learning¹, yet students tend to use ineffective study strategies²
- Moreover, existing interventions show limited impact in changing students' behaviour³
- We developed the **IMPACT Framework (Fig 1)** to support intervention design based on insights from **interviews with 27 undergraduate students**, augmented with prior frameworks.
- The **STAR Voyage Intervention** was developed to test the framework.
- The intervention produced **medium/large improvements** in effective study strategy use (**Fig 2**).
- These findings suggest the IMPACT Framework is a promising tool for designing interventions.
- Further research should focus on further testing of the framework.

Fig 1. The IMPACT Framework: A student-informed, theory-driven design framework

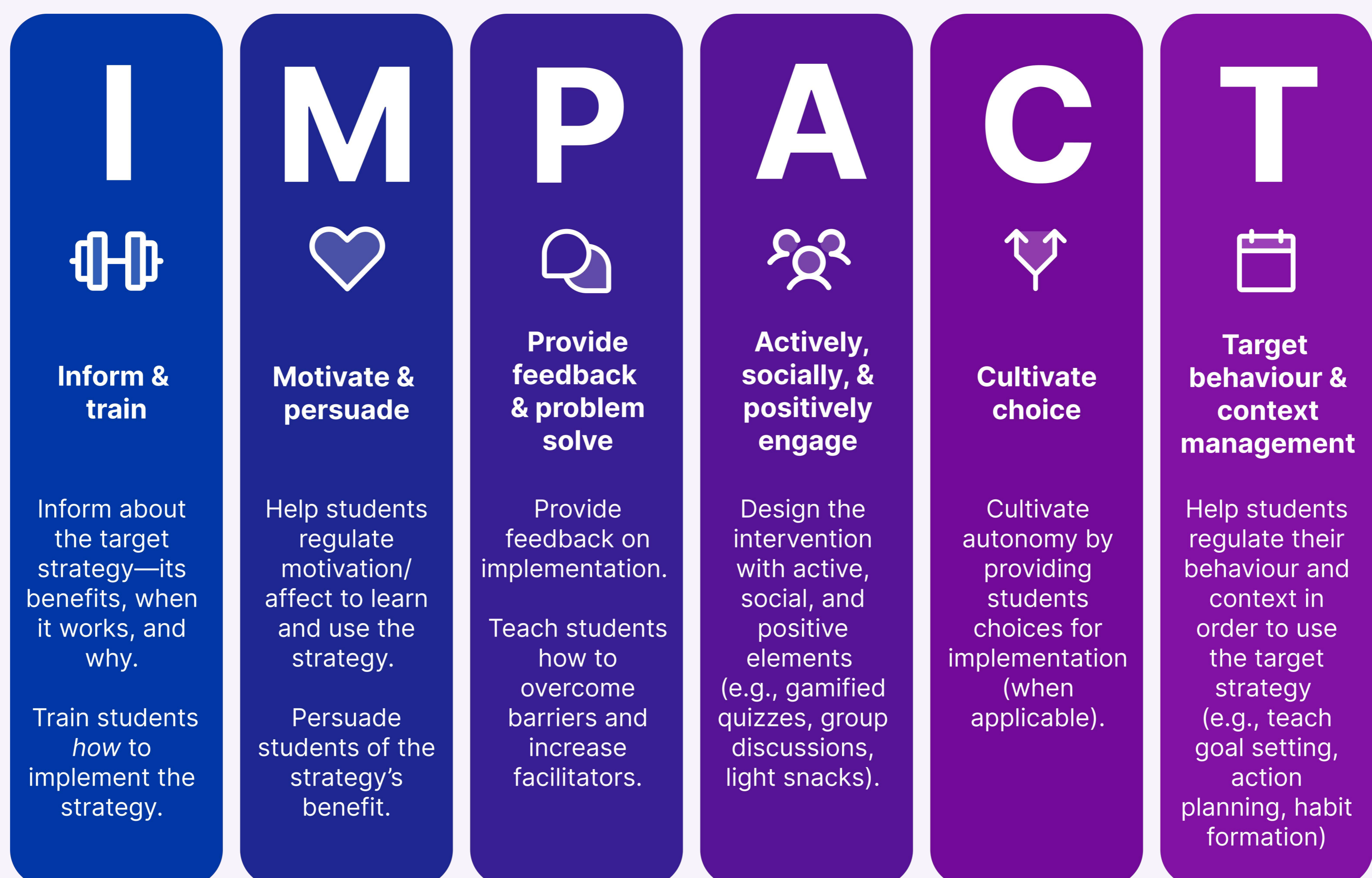
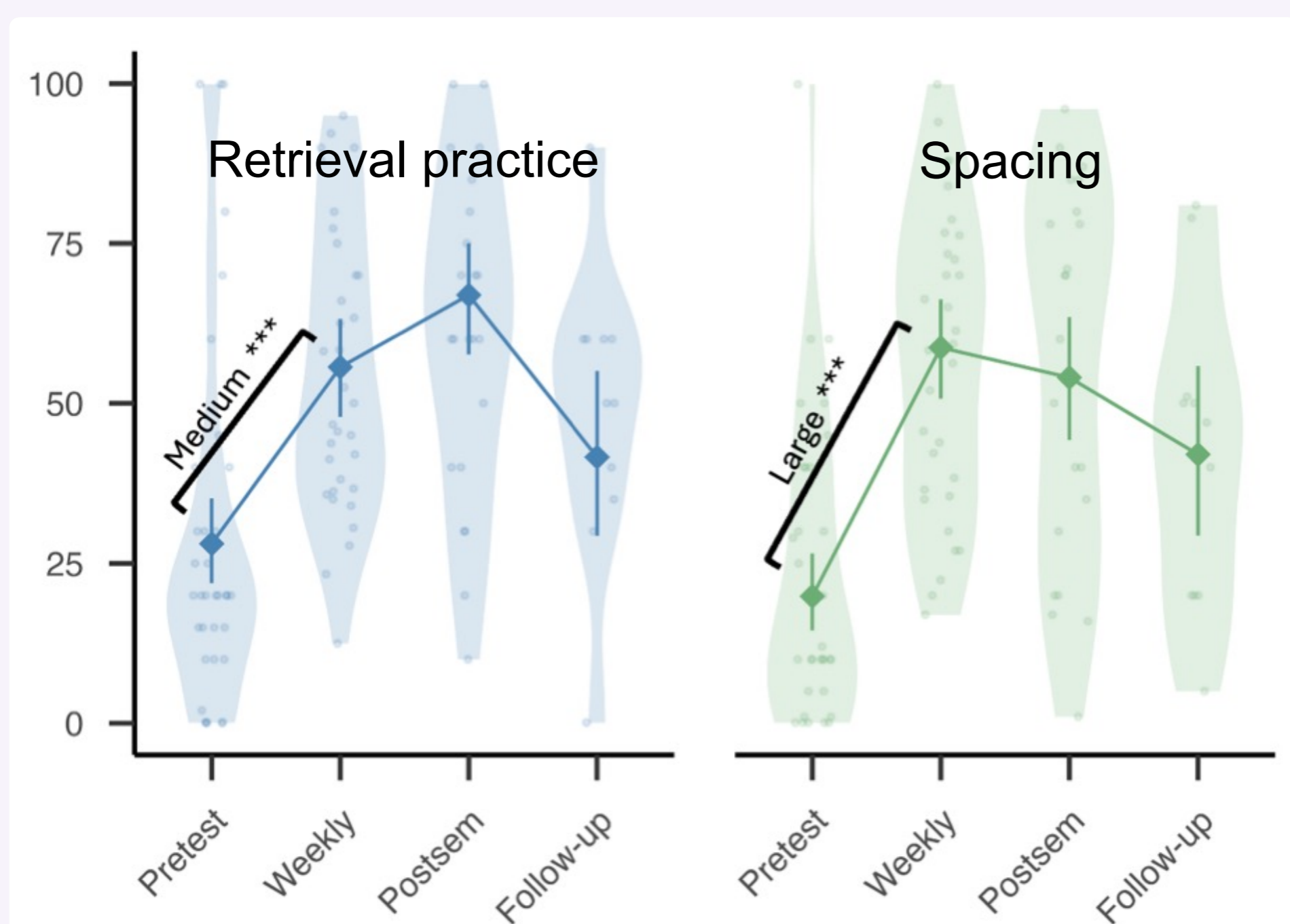


Fig 2. An IMPACT intervention boosted strategy use



Framework preprint



Intervention preprint



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