ITaP Practicable Strategies - Explanations and Modelling (Phase 1)

**Desert Island Reading:** Rosenshine, B. (2012) ‘Principles of Instruction: Research-Based strategies that all teaches should know’, *American Educator*, Spring 2019, pp. 12-39

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| **4-step approach for explaining new content** **(CCF 4.2, 4.3, 4.4, 2.9)**  (The Teaching and Learning Playbook, p124-125) | **Practicable strategies for ITAP 1 to support ‘explaining new content’** | | | |
| **Strategy (CCF)** | **Summary** | **Strategy outlined in:** | **Reading underpinning the strategy** |
| **Hook** – capturing students’ interest in the new content | “Why” First | Practice sharing the purpose of what students are learning and why it is important (beyond specs and exams) | The Teaching and Learning Playbook p 132-133 | * Shimamura (2018) pp. 7-13 |
| **Schema** – Framing the new content in the context of what they already know | Zoom in, zoom out (2g) | Illustrating how ideas are connected, that they form a bigger picture, and can be arranged into categories | WalkThrus 1 p74-75 | * Rosenshine’s Principle of Instruction No.2: Present new material in small steps (Rosenshine, 2012) * Shimamura (2018) pp. 21-29 * Elleman et. al. (2009) * Willingham (2009) |
| Embedding New Vocabulary (2g) | Strategy for introducing and embedding new Tier 2 and 3 words into students’ vocabulary | The Teaching and Learning Playbook p 126-127  WalkThrus 1 p72-73 |
| Concrete to Concept (2g/4f) | Beginning with a specific example of the knowledge in practice before moving onto the abstract concept that underpins it. | The Teaching and Learning Playbook p 128-129  WalkThrus 1 P76-77 |
| **Structure** – chunking up new knowledge in no more than 4 chunks | Scaffolded Modelling (4b) | Model a skill or process by chunking each component into actionable steps | The Teaching and Learning Playbook p 136-137  WalkThrus 1 p80-81 | * Rosenshine’s Principle of Instruction No.4: Provide models and worked examples (Rosenshine, 2012) * Van de Pol, Volman, & Beishuizen (2010) * Van de Pol, et.al. (2015) |
| Worked Examples (4b) | Explicitly using examples (and non-examples) to strengthen understanding of a concept | The Teaching and Learning Playbook p130-131 |
| Live Modelling (4b) | Modelling a skill or process in real time, narrating the thinking | The Teaching and Learning Playbook p138  WalkThrus 1 p78-79 |
| **Check in** – Ensuring that knowledge is secure before moving on | I do, We do, You do /backward fading (4d) | When students are practicing applying knowledge for the first time, the teacher models, then models with students, then support students’ independent practice | The Teaching and Learning Playbook p 134-135  WalkThrus 1 p68-69 | * Sweller et. al. (2019) * Rosenshine’s Principle of Instruction No.9: Require and monitor independent practice (Rosenshine, 2012) |

**Reading list**

Elleman, A.M., Lindo, E.J., Morphy, P., and Compton, D.L. (2009) ‘The Impact of Vocabulary Instruction on Passage-Level Comprehension of School-Age Children: A Meta-Analysis’ *Journal of Research on Educational Effectiveness*, 2(1), 1–44. <https://doi.org/10.1080/19345740802539200>.

Fendick, F. (1992). The correlation between teacher clarity of communication and student achievement gain: A meta-analysis. Doctoral Dissertation at the University of Florida; in Titsworth, S., Mazer, J. P., Goodboy, A. K., Bolkan, S., & Myers, S. A. (2015). Two meta-analyses exploring the relationship between teacher clarity and student learning. Communication Education, 64(4), 385-418.

Rosenshine, B. (2012) ‘Principles of Instruction: Research-Based strategies that all teaches should know’, *American Educator*, Spring 2019, pp. 12-39

Shimamura, A. (2018) ‘A Whole-Brain Approach for Students and Teachers’ Available at <https://shimamurapubs.files.wordpress.com/2018/09/marge_shimamura.pdf>

Sweller, J., van Merriënboer, J. J., & Paas, F. (2019). Cognitive architecture and instructional design: 20 years later. *Educational Psychology Review*, 31(2), 261- 292

Van de Pol, J., Volman, M. & Beishuizen, J. (2010) ‘Scaffolding in Teacher–Student Interaction: A Decade of Research’. *Educational Psychology Review*. 22. 271-296. 10.1007/s10648-010-9127-6.

Van de Pol, J., Volman, M., Oort, F., & Beishuizen, J. (2015) ‘The effects of scaffolding in the classroom: support contingency and student independent working time in relation to student achievement, task effort and appreciation of support’. *Instructional Science*, 43(5), 615-641.

Willingham, D. (2009) *Why students don’t like school*, Jossey-Bass, San Francisco

Wittwer, J., & Renkl, A. (2010) How Effective are Instructional Explanations in Example-Based Learning? A Meta-Analytic Review. *Educational Psychology Review*, 22(4), 393–409. <https://doi.org/10.1007/s10648-010-9136-5>.