Education Perfect Logic Model

The ability to adjust teaching to meet the specific learning needs of students across the full range of abilities is now a core expectation of teachers. However, variation in student attainment levels can be large (Hunter et. al, 2022), making differentiation a time-consuming and complicated burden for teachers.

Education Perfect supports educators with a blend of technology, pedagogical best practice, curriculum-aligned content and data insights to power a differentiated and personalised teaching and learning cycle.

Inputs

Teachers

- Map EP topics, lessons and assessments to existing scope and sequence, customising as required to meet class or individual needs.
- Assign learning activities and assessments to students to support a variety of use cases across instruction, practice and assessment.
- Monitor student interaction with learning activities, acting on insights to provide formative feedback and targeted guidance.
- Respond to learning and assessment data to inform next steps for the class, small groups or individuals.

Students

- Engage with learning activities assigned by their teacher, receiving guidance and adapting to feedback as they progress towards mastery.
- Complete a range of assessments that provide a continuous stream of insights into their next learning steps and overall learning progress.
- Work independently to consolidate and revise material already covered, or to seek new learning.

Leaders

- Partner with EP staff to guide best practice usage within their department, school or district, actively monitoring initial adoption and ongoing usage by teachers and students.
- Review student learning progress at a class, cohort, department, school or district level, and deploy targeted supports to areas of need.

Activities

Instruction

Course planning: topics can be arranged to align with scope and sequence, and lessons and assessments can be customised or created to support existing teaching plans.

Explicit instruction: lessons have clear success criteria, direct explanations, modeled examples and a scaffolded progression from simple comprehension through to extended thinking.

Targeted instruction: platform insights support teachers to better understand student learning progress, and then tailor activities to meet the needs of small groups or individuals.

Practice and revision

Guided practice: as a key element of a gradual release of responsibility model, guided practice is paired with regular checks for understanding and formative feedback.

Independent practice: lesson questions build in cognitive demand as students are ready, and built-in spaced retrieval practice supports students to progress towards mastery.

Revision: multiple opportunities for revision are available, from teacher-assigned activities to student-led review and consolidation of previously covered learning.

Assessment

Readiness assessment: premade readiness assessments and flexible on-the-fly quizzes give insights into prior knowledge and skills, and provide actionable next steps.

Formative assessment: formative assessment and insights are embedded throughout the EP experience, providing ongoing formative feedback and guiding instruction.

Summative assessment: premade and customisable curriculum-aligned assessments support evaluation and tracking of student learning growth over time.

Outputs

Differentiation and personalisation

Teachers are supported to differentiate to meet the needs of groups and individuals *(Hattie 0.58*)*. Students are an empowered participant in a personalised learning experience *(Hattie 0.43)*.

User sentiment measures:

- 93%+ of educators agree that EP provides effective tools to support differentiation
- 95%+ of educators agree that EP provides students with personalised learning opportunities

Motivation and metacognition

Student motivation *(Hattie 0.40)* and metacognition *(Hattie 0.58)* are both enhanced through clear success criteria, scaffolded progression, actionable feedback and ongoing visibility of learning progress.

User sentiment measure:

- > 88%+ of educators agree that EP fosters more student engagement

Feedback and insights

Students are provided with timely, specific feedback to guide their learning *(Hattie 0.55)*. Teachers and leaders are provided with actionable insights to provide support to students and to inform next steps.

User sentiment measure:

- 95%+ of educators agree that EP provides them with data and insights that improve their teaching practice

Visibility of progress

Continuous tracking of student learning through instruction, practice and assessment use cases supports robust teacher estimates of achievement *(Hattie 1.30)*.

User sentiment measure:

- 94%+ of educators agree that the use of EP has resulted in improved learning outcomes

* Hattie effect size

Outcomes

Short term

Enhanced teacher practice

EP actively supports quality practice, enabling teachers to:

1. set clear expectations, and provide feedback that guides students towards them *(Inside the Black Box, Black and Wiliam, 1998)*;
2. differentiate instruction and personalise student learning experiences *(Mind in Society, Vygotsky, 1978)*;
3. engage in a continuous cycle of data collection, analysis and instructional action *(Driven by Data 2.0, Bambrick-Santoyo, 2019)*.

Improved student self-efficacy

Enabled through use of EP, teachers support students to:

1. experience productive struggle through desirable difficulty strategies *(Desirable Difficulties in Theory and Practice, Bjork and Bjork, 2020)*;
2. receive and respond to higher rates of timely and actionable feedback *(The Power of Feedback, Hattie and Timperley, 2007)*;
3. build a growth mindset by making learning progress visible *(Visible Learning, Hattie, 2008)*.

Long term

Increased student learning growth

Enhanced teacher practice is the single most important school-based influence on student learning. The largest effects on student learning occur when teachers become learners of their own teaching, and when students become their own teachers. *(Visible Learning, Hattie, 2008)*.

Improved student self-efficacy is a powerful predictor of academic success. The greatest influence on student achievement is the student's belief in themselves. *(Visible Learning for Teachers, Hattie, 2012)*.