

Instant Feedback, Lasting Impact

Providing timely, actionable feedback is critical for student engagement and learning growth; students are far more likely to improve their work when feedback is quick and targeted (Black & Wiliam, 1998; Hattie & Timperley, 2007; Zhai & Ma, 2022). Yet for teachers, delivering this level of feedback consistently is often time-consuming and burdensome, creating a bottleneck that can slow learning progress.

To be truly effective, feedback needs to be:

🕒 Timely and Specific

With an effect size of 0.55, feedback from technology ensures the timeliness and specificity which has been found to drive deeper student engagement and enhance work quality.

✅ Focused on Quality

High calibre feedback should provide specific guidance about strengths and weaknesses, and offer students advice about how to improve, guiding them to next steps.

🧠 Thought-provoking

Effective feedback should lead students to think about their goal (“Where am I going?”), their progress (“How am I going?”) and what actions they need to take to improve (“Where to next?”).

📌 Scaffolded

Scaffolding and modelling ensure students receive the support needed to master skills they cannot yet perform independently, following Vygotsky’s theory of the Zone of Proximal Development.

Our Solution

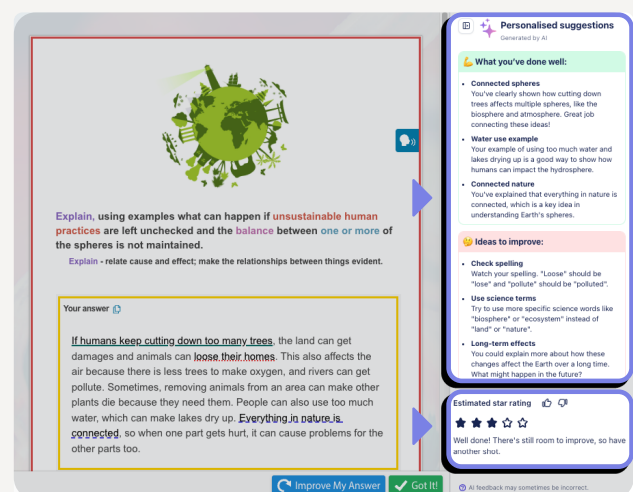
Education Perfect (EP) brings together an ecosystem of AI-powered features that deliver fast, personalised feedback at every stage of learning. By closing feedback loops instantly and giving teachers clear insight into progress, we help schools turn feedback from a bottleneck into a continuous driver of improvement.

Instant, Actionable Feedback

Immediate, personalised feedback that is timely, specific and improvement-focused – guiding students on strengths, gaps, and next steps to quickly refine responses and deepen understanding.

The Learning Loop

A scaffolded, iterative cycle where students apply targeted AI feedback to refine their work each round, prompting reflection on progress and direction to build stronger, more sustained understanding.



Teacher Insight Reporting

Real-time visibility of student progress and AI feedback, giving teachers clear insight into strengths, gaps, and next steps so they can provide focused, high-quality support.

87%

of students re-engage with our AI to improve on their initial responses

69%

of students with low-scoring responses demonstrated deeper understanding by their final attempt

47%

average improvement in quality of final responses based on our star rating system

29%

higher initial-attempt response quality when the Learning Loop is active, based on star ratings

The Power of EP's AI Learning Loop

To validate the effectiveness of our new AI features, EP ran a 10-week internal study with over 19,500 secondary students across ANZ, analysing more than 250,000 answers. The study examined the 'learning loop': an iterative process where students receive instant, actionable AI feedback, revise their work, and continue receiving guidance until they meet a quality standard.

Finding 1: Dramatically Increased Student Effort and Engagement

The research shows that AI feedback is a critical catalyst for boosting student engagement and overcoming the inertia typical of traditional feedback models. Without the AI-activated learning loop, only a small fraction of students attempt to improve low-quality work. When the loop is enabled, this pattern reverses sharply.

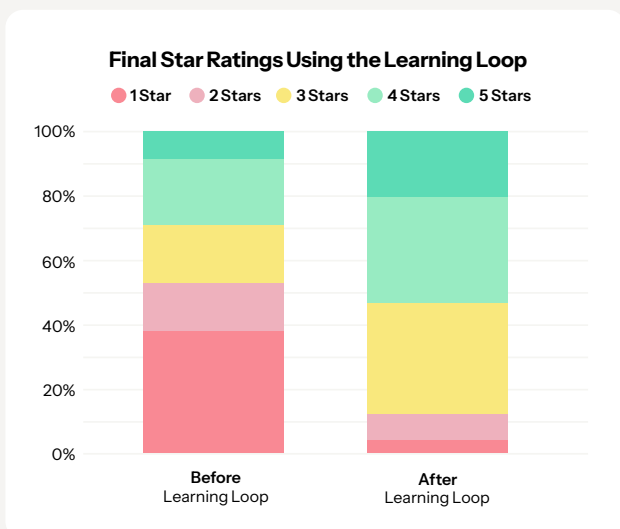
83% of students who submitted a low-quality (1-star) initial response went on to have a second attempt, compared to only 7% when the loop was off.

EP's AI feedback provides the accountability and scaffolding that motivates students to persist rather than stopping after an uncorrected first attempt. The data also shows increased initial effort: average first-attempt quality rises from 2.37 to 3.05 stars (out of 5) when the loop is active, likely because students know their work will be reviewed and they will be accountable for the outcome.

Finding 2: Measurable Improvement in Final Response Quality

Increased student effort led to substantial gains in work quality. The AI learning loop produced a 47% average improvement in final responses, raising the mean rating from 2.4 to 3.6 stars.

These results show that the AI-managed loop is essential for ensuring students meet minimum quality standards and grasp core concepts. The evidence confirms that EP's AI accelerates student growth and offers a scalable way to deliver the personalised, iterative feedback central to learning science.



Case Study: St Mary MacKillop College



A framework for responsible AI use

Whole-School AI Integration

St Mary MacKillop College (SMMC) developed a clear AI policy based on the Leon Furze AI Assessment Scale. Adapting the scale to their context led to common language and clear expectations for responsible AI use across all year levels.

Supported by EP

EP has been integral to the success of the framework, providing a secure, curriculum-aligned environment that does not expose students to the unpredictable outputs or ethical concerns of public AI tools. For junior students, EP's AI-Powered Feedback Tool has helped students cultivate a mindset that views AI as a tool to support effort, not replace it.

Led by Teachers

Teachers create scaffolded EP tasks that match specific AI expectations, ensuring that feedback is teacher-led and task specific. EP's flexibility has also given teachers the ability to create new lessons directly linked to assessment tasks, with AI immediately providing relevant, meaningful feedback.

The partnership between EP and SMMC shows that working together provides opportunities not just to deliver technology to students, but also to support robust implementation and best practice for teachers and school leaders.

Case Study: Christ Church Grammar



Positive impacts for teachers and students

Christ Church Grammar School (CCGS) demonstrated how EP's AI-Powered Feedback Tool delivers immediate, positive outcomes for both students and teachers.

Scaffolded Learning

For students, the structured, real-time feedback provided highly actionable scaffolding. The learning loop proved especially valuable, giving students three opportunities to refine their responses with clear, actionable feedback and targeted recommendations after each attempt.

Increased Student Engagement

The star ratings provided by the AI tool, along with the guidance on how to improve that rating, had a noticeable motivating impact on students. They actively revisited and refined their work until they achieved the top rating.

Enhanced Teacher Practice

By having EP's AI handle the immediate, high-volume feedback, teachers were able to reallocate their time to provide focused, high-value one-on-one assistance to students who needed it most. CCGS staff hailed the tool a "game changer," demonstrating how EP is fundamentally shifting teaching practices for the benefit of students and educators.