10th February 2023

Pendle Vale College - using A.I. driven approaches to teaching and learning to protect staff workload and drive results.

Last month we were thrilled to announce the latest development of our **A.I. for students** to encourage 30 minutes of adaptive learning on SAM Learning a week. This is important as EEF/FFT research shows **students achieve 2 GCSE grades better with 30 minutes a week.** SAM Learning now provides:

Weekly Challenges
Our **NEW** Weekly Challenges - **learning set by A.I.** to your students, focusing on one Core subject (English Language, Maths, Biology, Chemistry and Physics) every week. Unlike any other software, the new A.I. suggests topics to complete where students are most at risk of dropping marks in final exams at KS4 and building blocks for KS3, for example: spelling, punctuation and grammar or basic arithmetic and are adapted for all year groups.

Improve Your Score
Improve Your Score **automatically fills your students' learning gaps** by providing individual students activities based on areas they need to secure.

Extend Your Knowledge

Extend Your Knowledge automatically extends individual students' areas of strength by recommending activities to complete to extend their knowledge.

Here, Oliver Handley, Headteacher at Pendle Vale College, shares how his students have been taking advantage of SAM Learning's latest A.I. features.

More able strategy - using SAM Learning's A.I. to increase progress rates for high ability students.

Case study theme: More able students.

The challenge: To improve the progress rates of underperforming high ability students already achieving grade 7s.

The strategy: We have a focus on our more able students and we want to increase the attainment and progress rates specifically of our high ability Y11 students. Our strategy started with our Associate SLT member meeting with every student and their parents to make them aware of their potential, highlight the challenges, and outline the support we would put in place. Subsequently, a group of students were placed on a report card for each subject.

The key for most of them was just hard work! Many of the students and their families knew they needed to be working and revising but didn't know where to put their energies. We created an intervention group on SAM Learning and the Associate SLT provided a breakfast club to ensure the students had space and time to work. His task was really straightforward: he told the students, 'I'll be here on Wednesday morning and you'll be doing this work!' The students completed work in English, Maths and the three Sciences, work also set by SAM Learning's A.I.

This is really simple - the work is either done or not done, SAM learning marks it, provides feedback and is adaptive. It is really easy to monitor and easy to measure giving high levels of accountability to all. SAM Learning's A.I. targets their areas for improvement and the A.I. also extends them. It is now setting work in these areas too!

The impact: These are grade 7 students. They are not on my HoDs 'to do' list to increase grades meaning that they can concentrate on key students at other grade boundaries. Improving these grades is a hard thing to achieve, our strategy is overseen by an Assoc. SLT who is a PE teacher. No teacher can be a specialist in every subject and to get the higher marks, specialism is needed. We did this from Sept 2022 to Dec 2022 and their grades improved by P8 +1.2!"