

Empowering student agency and teacher transformation through scalable technology



School at a glance

Centro Escolar Marcelino García Flamenco is a K-12 school located at 2A. C. Ote. y 13 av. Sur. Santa Tecla, La libertad Sur. A total of three grades (4th to 6th) and a total of nine classes with 140 students and 15 teachers participated in the digital transformation in education pilot. The school, led by principal Roxanna Elizabeth Peñate, presented the ideal environment to launch the first Google digital transformation of education pilot in El Salvador and across Latin America. They had already implemented some connectivity initiatives and engaged in multiple pilot programs, demonstrating clear commitment to educational innovation and system-wide transformation.

Challenge

El Salvador's Ministry of Education is advancing nationwide adoption of Google Workspace for Education and exploring the use of ChromeOS Flex to modernize teacher devices. This pilot assessed its educational value and technical performance in a real school setting.

Solution

The pilot brought together students, teachers, and both national and international partners to study how technology and intentional training can reshape teaching and learning activities. Teachers received hands-on professional development from NivelA, whose tailored workshops and follow-up sessions built confidence over time. All teachers earned their Google Certified Educator Level 1 certification.

Device setup varied by grade: 6th grade students and teachers used flexed laptops, 5th graders used Chromebooks, and 4th graders used tablets. Google Workspace for Education was used across subjects, enabling both in-person and async learning. The Universidad Tecnológica de El Salvador (UTEC) supported qualitative and survey-based research to capture outcomes in real time—offering critical insights into student engagement and collaboration, teacher productivity, tailored learning, among others.



It was a great help because it broke down the barrier of fear around using technology in the classroom. We learned that using these tools the right way greatly eases our work with lessons, planning, and assignments — and the students learned that technology is much more than just games (translated)

School *Teacher* **at** **Centro**
Escolar **Marcelino** **García**
Flamenco



Key benefits

The pilot delivered measurable improvements across student learning, classroom engagement, and teacher practice—while also validating the technical viability of ChromeOS Flex devices. Results from surveys, observations, and interviews highlight how the integrated use of GwFE tools and varied device configurations supported more personalized learning, improved collaboration, and laid the groundwork for scalable digital transformation.



Enhanced learning effectiveness & equity

Teachers reported being better able to tailor instruction to individual needs, with **87% saying they could adapt content based on student understanding and identify areas for improvement**. Access to real-time performance data also improved instructional precision, with **80% of teachers leveraging insights to support diverse learning levels**. On the student side, **85% reported a higher assignment completion rate**, suggesting stronger engagement.



Improved student engagement, enjoyment and collaboration

The pilot significantly boosted classroom engagement and enjoyment. **89% of students rated their classroom experience more positively** during the pilot, and **87% of teachers reported higher student engagement**. Students also highlighted more collaborative peer interactions and a greater sense of belonging, saying they could support one another more easily during group work and assignments.



Strengthened teaching experience & time use

Teachers **cut weekly workload from 57 to 38 hours**, reallocating time from admin tasks to planning and student support. **93% reported time savings with Google tools**, and tasks became easier to manage. **All earned GfE Level 1 certification**, and **66% felt highly comfortable using Chromebooks**.



Chrome OS Flex enables cost-effective and scalable teacher device upgrade

Teachers found ChromeOS Flex to be a high-performing and user-friendly solution for upgrading existing laptops. **80% said it outperformed their previous operating systems**, and **87% would recommend it for broader adoption across the country**. The most valued features were speed, ease of use, and the updates & security.



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