



Project Albus Indonesia

Taruna Nusantara Senior High School

April 2026



Google for Education



SPC

Dalberg

Advancing Technology Adoption and Student-Centered Learning to Develop Future-Ready Talent

Customer: Taruna Nusantara Senior High School, Indonesia

Industry: Education



“Students were given greater space to read independently, engage in discussions, ask questions, and explore their understanding with the support of digital tools and AI.”

– Teacher, Religion and Culture

Challenge

Taruna Nusantara Senior High School is a highly disciplined boarding school located in Magelang Regency, Central Java, Indonesia. As a prestigious institution committed to national development goals, including the vision of [Golden Indonesia 2045](#) for a high-quality, globally competitive, and future-ready generation, the school sought to integrate technology to further strengthen human capital and equip students with future-ready skills.

Solution

Project Albus deployed Chromebooks alongside Google Workspace for Education (“GWfE”) and AI Pro licenses, complemented by structured teacher & student training. The pilot aimed to enhance teacher productivity, enable more student-centered instruction, and strengthen students’ 4Cs(*) skills. Success was measured through classroom adoption, time savings for teachers, and improvements in teaching and learning outcomes.

Key Takeaways

- ✓ Effectively Removed Key Technology Adoption Barriers
- ✓ Substantial Reduction of Teachers’ Existing Heavy Workload
- ✓ Strong Shift Toward Student-Centered Learning
- ✓ Enhanced Student Academic Performance & Technology Adoption

(*) The 4Cs of 21st-century learning: Critical Thinking, Creativity, Collaboration, and Communication

Teachers And Students Received Chromebooks, GWfE, And AI-Powered Tools, With Accompanying Training To Ensure Effective Adoption

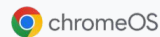
Hardware



Model: SPC 14" Ryzen 3
Chromebook (100 devices)
CPU: AMD Ryzen 3 7320C
Memory: LPDDR5 8GB
Storage: M.2 2280 Keey M Type
SSD PCI-E NVME 128GB



Software



Chrome Education
Upgrade

Teaching and
Learning Add-on



Google AI Pro

[Link to full academic report](#)



"[Chromebooks & GWfE are] simpler classroom management tools and better analytics for monitoring student progress."

– **Teacher, Science**

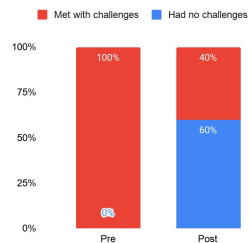


Effective Removal of Technology Adoption Barriers For Teachers

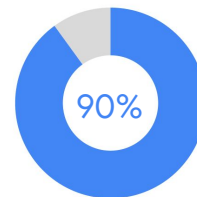
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Through 40 hours of localized, structured training, teachers who previously felt overwhelmed by technology gained high levels of digital fluency. The nature of the ChromeOS ecosystem, combined with centrally managed security, mitigated fears regarding data privacy and technical issues. This resulted in a dramatic increase by 60% in "zero-obstacle" teaching – where technology became seamless support to teachers.



There was a 60% increase in number of teachers having challenges in using technology to manage instruction.



Teachers agreed that Chromebooks are well-suited for their students, supporting structured, independent, and collaborative learning.

[Link to full academic report](#)



“Google Workspace greatly helps teachers save time, especially when facilitating discussions and managing student assignments.”

– **Teacher, Science**

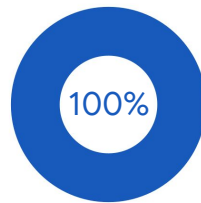


Substantial Reduction Across All Aspects of in Teacher Existing Workload

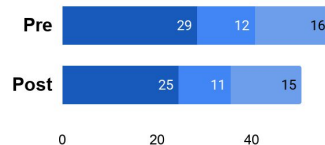
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100% of teachers agreed that the integration of GWfE and AI-powered tools directly addressed teachers' heavy workload at Taruna Nusantara by automating routine administrative tasks such as lesson planning, grading, and assignment distribution. This enabled teachers to reclaim a half working day each week, bringing their working hours closer to the [OECD global average](#) of 46 hours per week.



Teachers agreed that GWfE tools saved their time.



Teachers' total weekly working time decreased from 56 hours to 51 hours.

[Link to full academic report](#)



“Google Workspace for Education is easy to use, supports collaboration, and effectively enhances digital and student-centered learning in the classroom.”

– Teacher, Religion and Culture



Strong Shift Toward Student-Centered Learning That Boosted Student Engagement

Customer: Taruna Nusantara Senior High School, Indonesia

Industry: Education

With the integration of technology and corresponding pedagogical shifts, 100% of teachers transitioned into facilitator roles focusing on providing real-time feedback and personalized guidance rather than primarily delivering lectures. This shift created a more interactive classroom environment, where students felt more engaged and empowered in their learning.

100%

Teachers reported a shift toward a student-centered teaching approach.

100%

Teachers observed that students became more engaged and active in class.

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[Link to full academic report](#)



“With a Chromebook, I get additional tools especially for learning because it can be carried anywhere and used effectively during study time.”

– Student

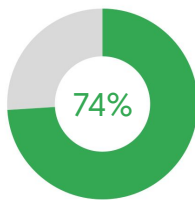


Enhanced Students' Academic Performance & Technology Adoption

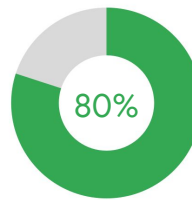
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Industry: Education

The shift toward student-centered teaching, combined with more personalized feedback from teachers, improved students' understanding of learning materials. As a result, 66% found complex subjects more accessible, 74% reported improved academic performance, and 80% recognized the benefits of technology in learning.



Students reported improvements in their academic performance.



Students recognized the benefits of using technology in the classroom.