

Project Albus Impact Indonesia



Prepared for Google for Education by Panl

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Executive summary

- **Notable Impacts on:**
 - **Learning experience:**
 - **100% of teachers** believe that with Google Workspace, students are better equipped to **find related knowledge and information for learning, more confident to participate** in class, **behave better** and **perform better specifically in reading and writing**.
 - **70% of students** stated that their **classes are enjoyable** with the use of Google Workspace and Chromebooks
 - There was a particularly **notable increase in student collaboration**, with **30%** of students stating that they **helped other students or received help more regularly** with technology in place.
 - **Teaching experience:**
 - Technology made core teaching activities more efficient with **100%** of the teachers stated that the systems **save them time, 44%** of which **save 1 hour daily**.
 - Google Workspace and Chromebooks helped teachers **understand students' individual needs better** as well as **monitor classrooms better**. This eases the concern that Internet and digital technologies are harmful for Islamic education, as teachers also see students as being **more well-behaved**.
 - The benefits of using Google Workspace and Chromebooks are once again testified by a **significant increase in teachers' comfort level** with using these tools as well as a **much more positive attitude towards using technology for education**.
- **Device Performance:**
 - The data continue to support the claim that Chromebooks are top educational devices as compared to other ones by both students and teachers.
 - **For teachers**, Chromebooks' most significant competitive edge is in **focusing student attention** and **problem solving activities for students**.
 - This is echoed by students' data which shows a preference for Chromebooks over tablets when it comes to **finding information** and **problem solving activities**.
 - **Google Workspace for Education** received an **NPS score of 22 from teachers**.

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Overview

Objectives

Digital Transformation

High profile DX of a selection of pilot schools in partnership with government and other stakeholders, observed by leading academics

Insight

Generate deep insights into how schools adopt technology within the local cultural, political and economic context



Impact

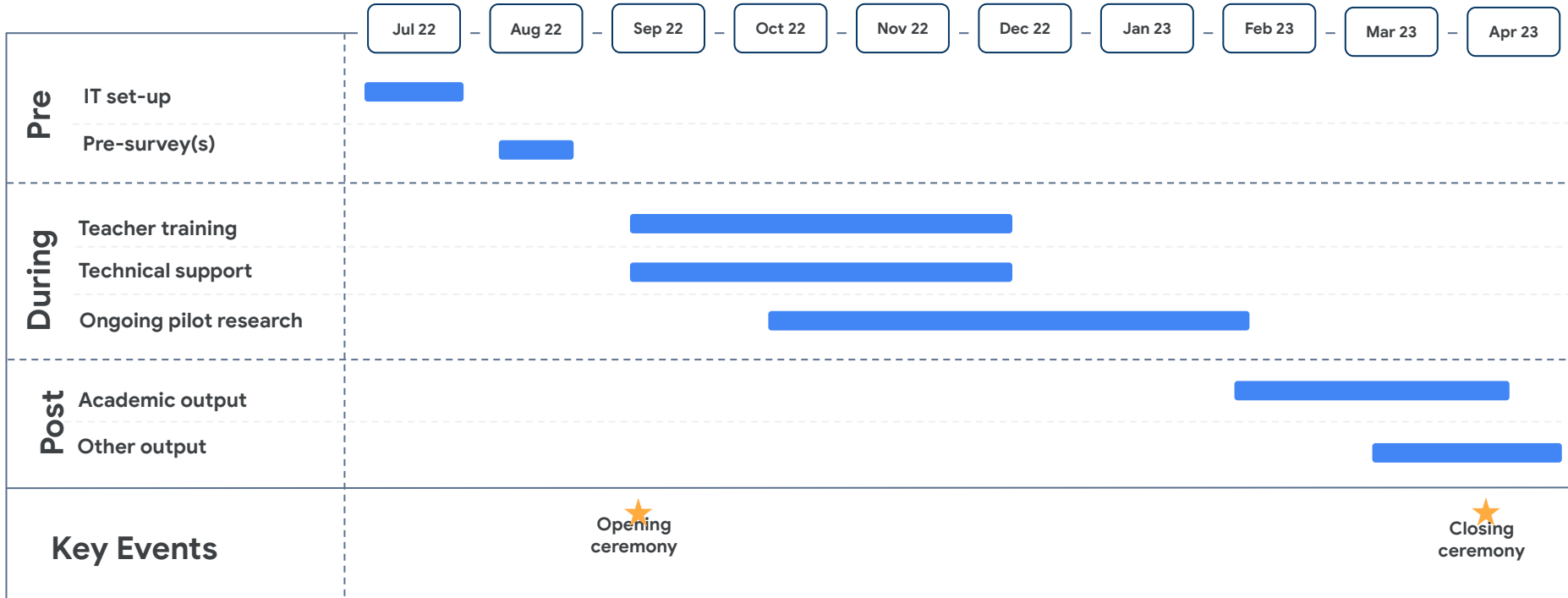
Improve understanding and stimulate demand for our value proposition amongst stakeholders in the education system

Pilot School Profile

- Madrasah Tsanawiyah Mukhlishin (MTs Mukhlishin) is a typical junior secondary Madrasa located in Ciseeng, Bogor Indonesia with 200 students and 22 teachers. Established in 1995 and accredited "A", owned by Mukhlishin Pesantren Foundation, the school is independently certified to do the National Examination.
- Prior to the pilot, these teachers have had little exposure and experience to technology and Google applications due to the conservative nature of religious schools. However, the teachers are very excited to learn more about how technology can help teaching and learning the Islamic doctrine.



Project Timeline

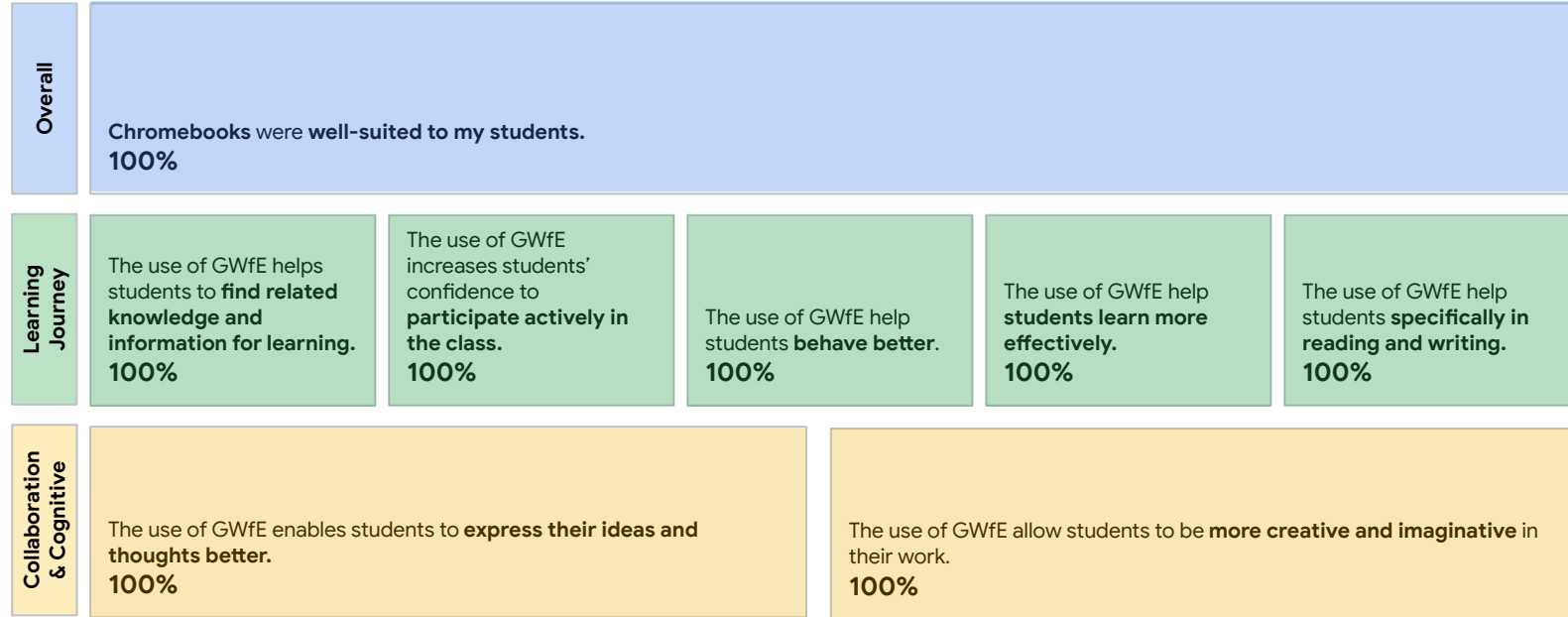


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Positive impact on T&L

Positive impact along student journey, especially on researching, engagement, and comprehension

Positive Impact on Student Journey

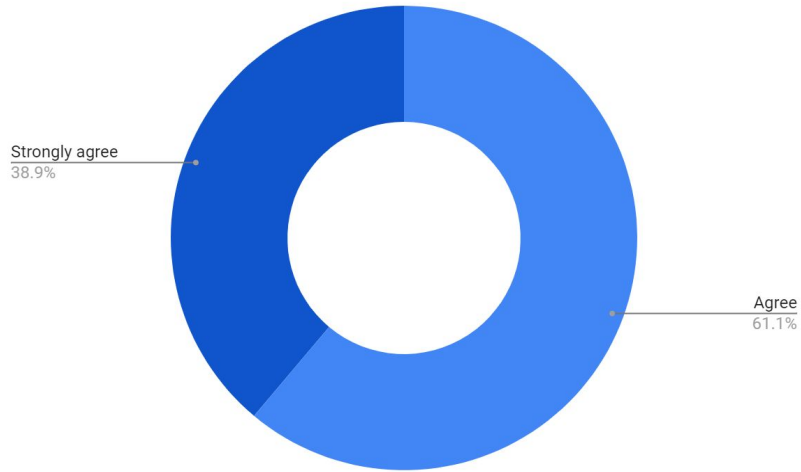


Source: Teacher Survey; "Please provide your opinion on the following statements:" - n = 18

Improve core
learning experience



GWfE and Chromebooks present relevant information more interestingly

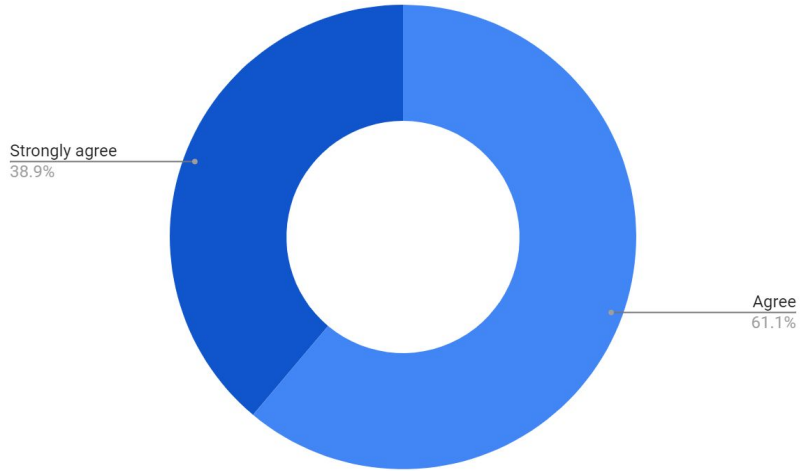


In this era students are more motivated to learn when they can use digital tools, as they are more fun and can be presented more interestingly.”

Teacher, Al Mukhlisin School

Source: Teacher Survey; “Please provide your opinion on the statement: The use of GWfE and Chromebooks helps students to find related knowledge and information for learning.” - n = 18

Teachers highly agree that GWfE and Chromebooks can increase engagement outside classrooms

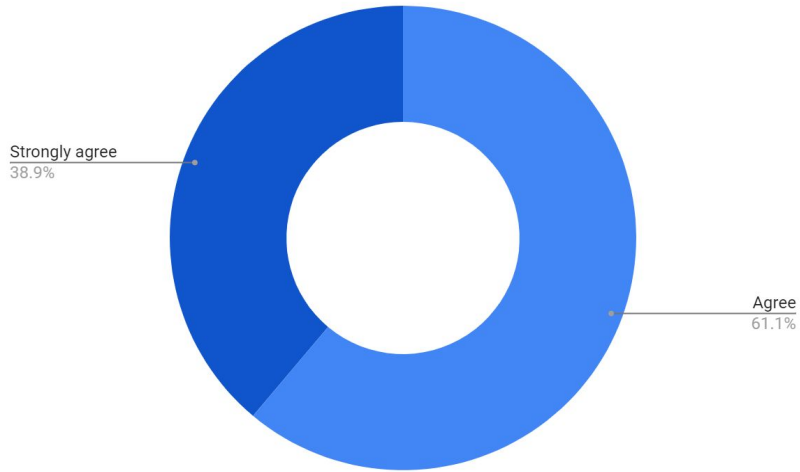


With Chromebooks, students become more enthusiastic about working on assignments .”

Teacher, Al Mukhlisin School

Source: Teacher Survey, “Please provide your opinion on the statement: The use of GWfE and Chromebooks increases students’ confidence to participate actively in the class.” - n = 18

Teachers also see learning activities becoming more convenient for students

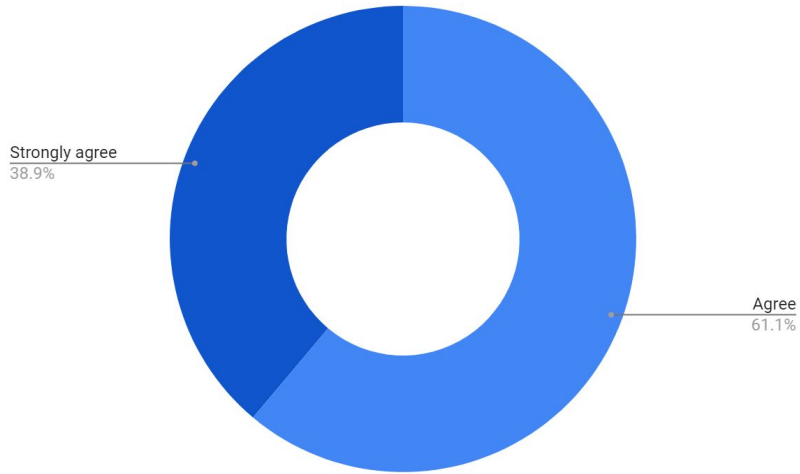


I am optimistic that Google Workspace for Education and Chromebooks bring a lot of convenience for education.”

Teacher, Al Mukhlisin School

Source: Teacher Survey; “Please provide your opinion on the statement: The students learn more effectively with Google Workspace for Education and Chromebooks.” - n = 18

Chromebooks are suited for students' new knowledge absorption

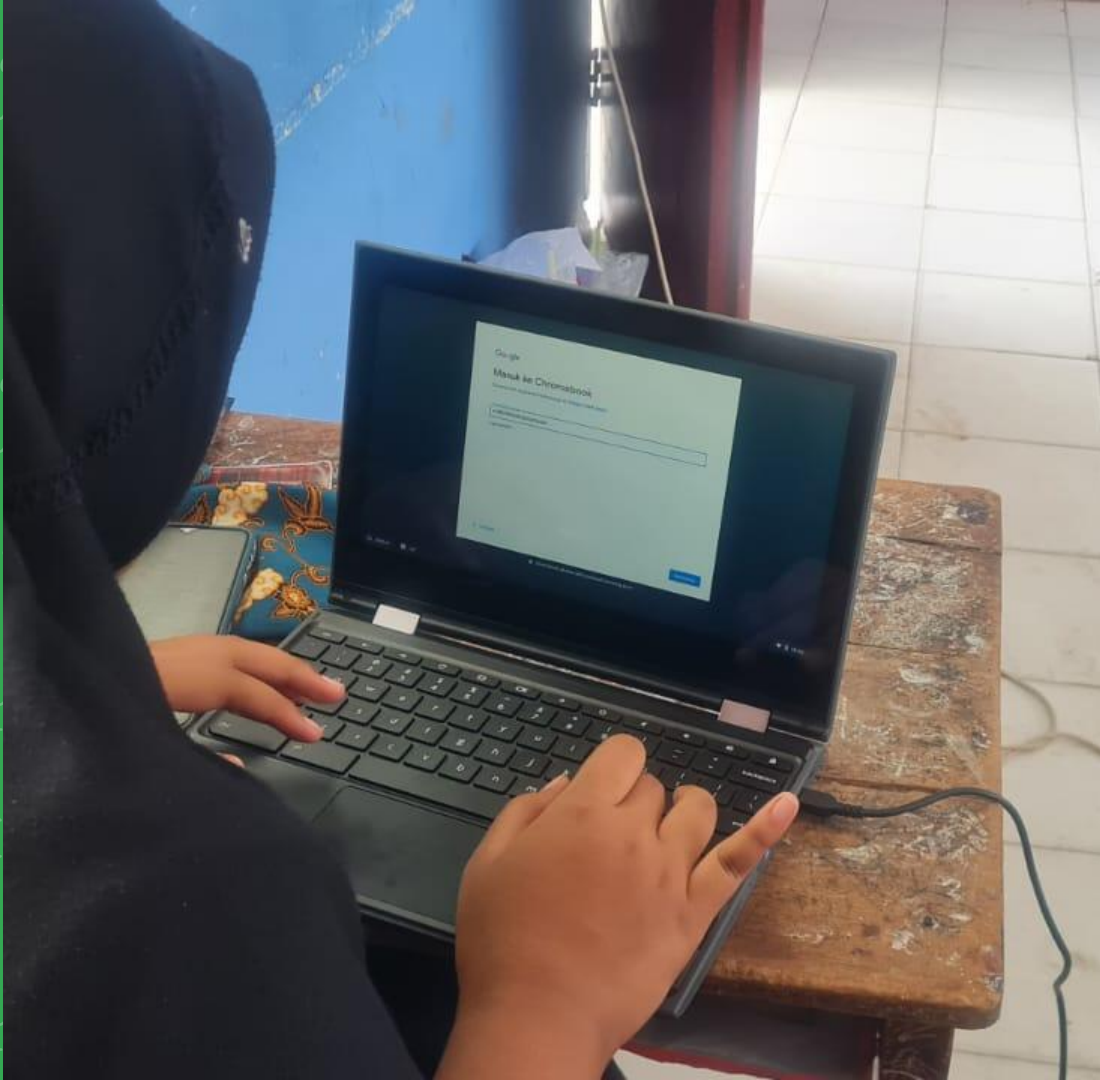


Chromebooks and Google Workspace for make my teaching more interesting for students, and I can give feedback to them quicker.”

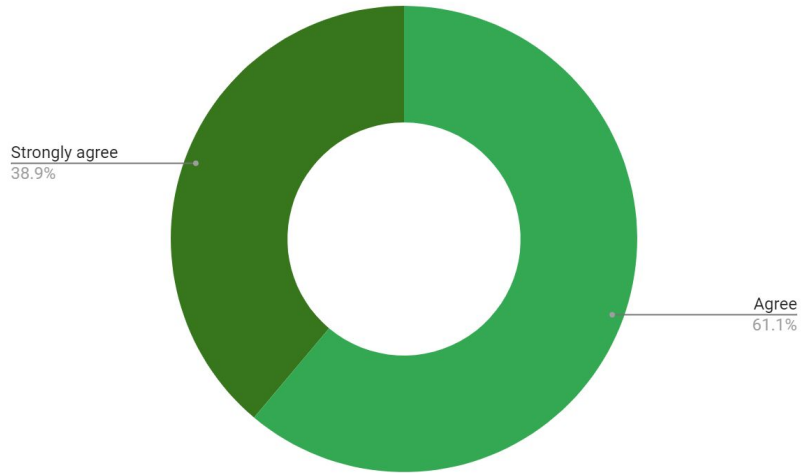
Teacher, Al Mukhlisin School

Source: Teacher Survey; “Please provide your opinion on the statement: Chromebooks were well suited to my students.” - n = 18

Improve cognitive
abilities



GWfE enables students to express ideas and thoughts better

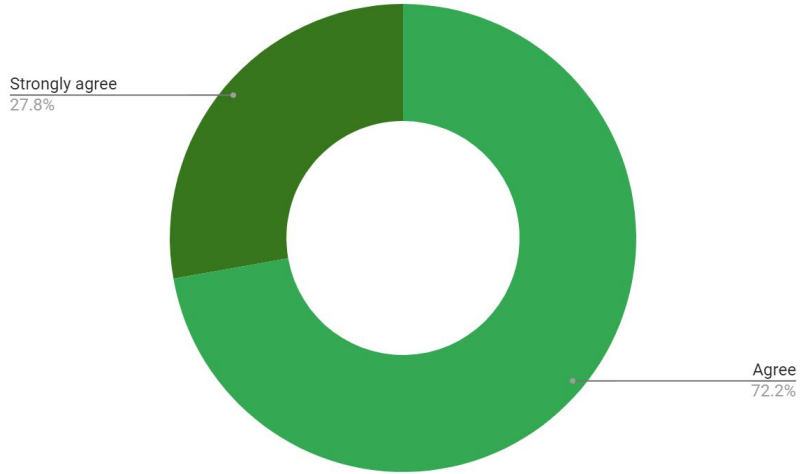


My students' learning activities at school become more creative and imaginative."

Teacher, Al Mukhlisin School

Source: Teacher Survey; "Please provide your opinion on the statement: The use of GWfE enables students to express their ideas and thoughts better." - n = 18

Creativity and imagination are fostered

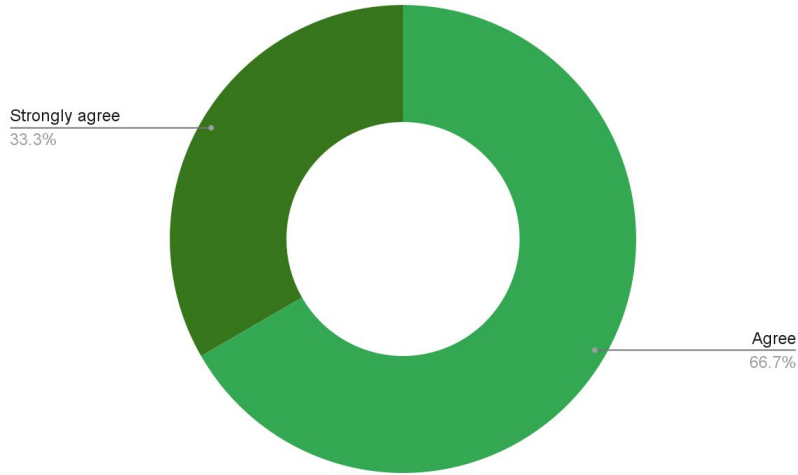


My students' learning activities at school become more creative and imaginative."

Teacher, Al Mukhlisin School

Source: Teacher Survey; "Please provide your opinion on the statement: GWfE allow students to be more creative and imaginative in their work." - n = 18

Google Workspace tools and Chromebooks can also help students improve literacy skills



I can now introduce learning material in a more in-depth way with multimedia tools on Google Workspace for Education.”

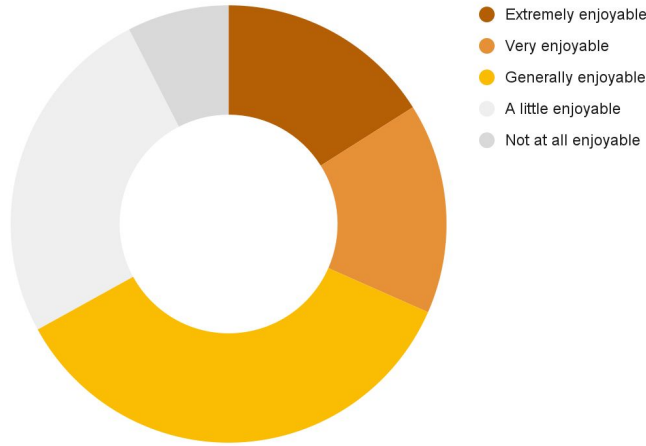
Teacher, Al Mukhlisin School

Source: Teacher Survey; “Please provide your opinion on the statement: The use of GWfE helps to improve students’ ability specifically in reading, writing.” - n = 18

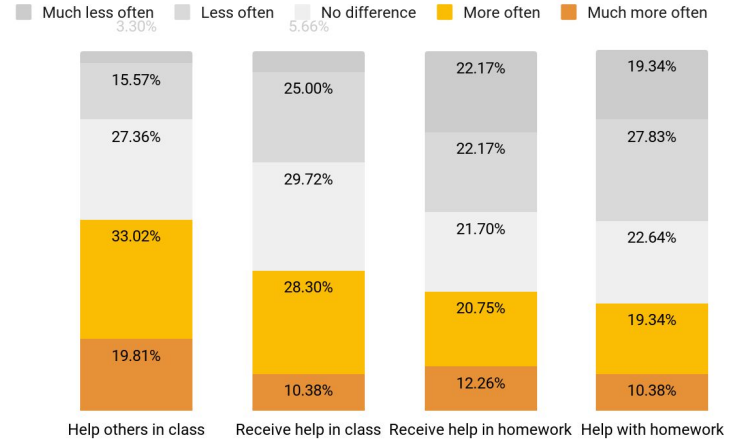
Improve collaboration



Both collaboration levels and classroom experience are significantly improved



70% Students said the classroom experience was enjoyable



>30% Students claim to help and receive help more often both in class and with homework

Source: Student Survey; "Compared to the class without Google Workspace for Education and Chromebooks, how do you find the class experience?". n = 212
 "Please describe the new classroom experience compared to before the introduction of Google Solutions." - n = 212

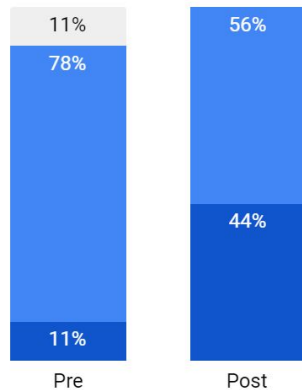
Positive impacts on Teaching Experience

The screenshot displays a Google Meet interface during a session titled "Refreshment GWFE - Guru AI Mukhlislin". The top section shows a grid of 15 participants, including "DUGI Training", "Nurhidayat Dayat", "Syamsamir Syamsamir", "Nur Kholisoh", "Fadli Sas", "Zuhaeriyah Zuhaeriyah", "Nurmalia Sari", "Muhamad Anwar", "Jaenal Abidin", "Toiyb Hadi", "Heny Andini", "Karsih Karsih", "Ipah Muminah", "Ayu Mulyanah", and "You". The bottom section shows a presentation window with a slide titled "Presentasi Fenomena Alam" and a video player. The video player shows a scene with a person and a wind turbine. The slide content includes "Magnitudo 7.0 hingga 7.5" and "Siklus gempa yang berbahaya". The bottom right corner shows a grid of participants, including "DUGI Training", "Agnia Agnia", "Keyla Humairah", "Salwa Khalila Mariez", "Sheilla Monica Ram...", and "4 others". The bottom status bar shows the time as 2:05 PM and the session title "Refreshment GWFE - Siswa AI Mukhlislin".

Teachers have higher technology adoption after this project

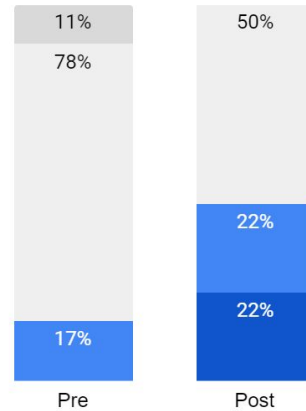
Attitude towards using technology in classrooms

- See technology as being harmful
- See benefits but also obstacles
- See benefits and try to use whenever possible



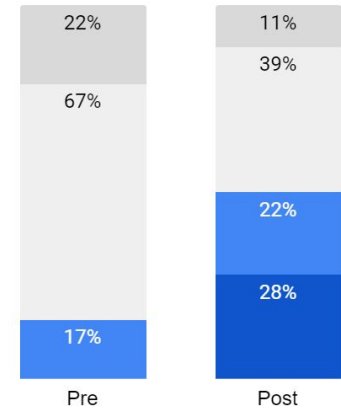
Using Google Workspace and Chromebooks in classrooms

- Mostly not comfortable
- Basic level of comfort
- Very comfortable
- Extremely comfortable



Using Google Workspace and Chromebooks in lesson planning

- Mostly not comfortable
- Basic level of comfort
- Very comfortable
- Extremely comfortable



Source: Teacher Survey (Pre & Post); "What is your attitude towards using technology in classrooms?" - n = 18

"What is your comfort level when using Google Solutions in classrooms and for lesson planning?" - n = 18

Google Solutions significantly save teachers' time on non-teaching activities

100%

Teachers said that
Google Workspace for
Education and Chromebooks
save their time

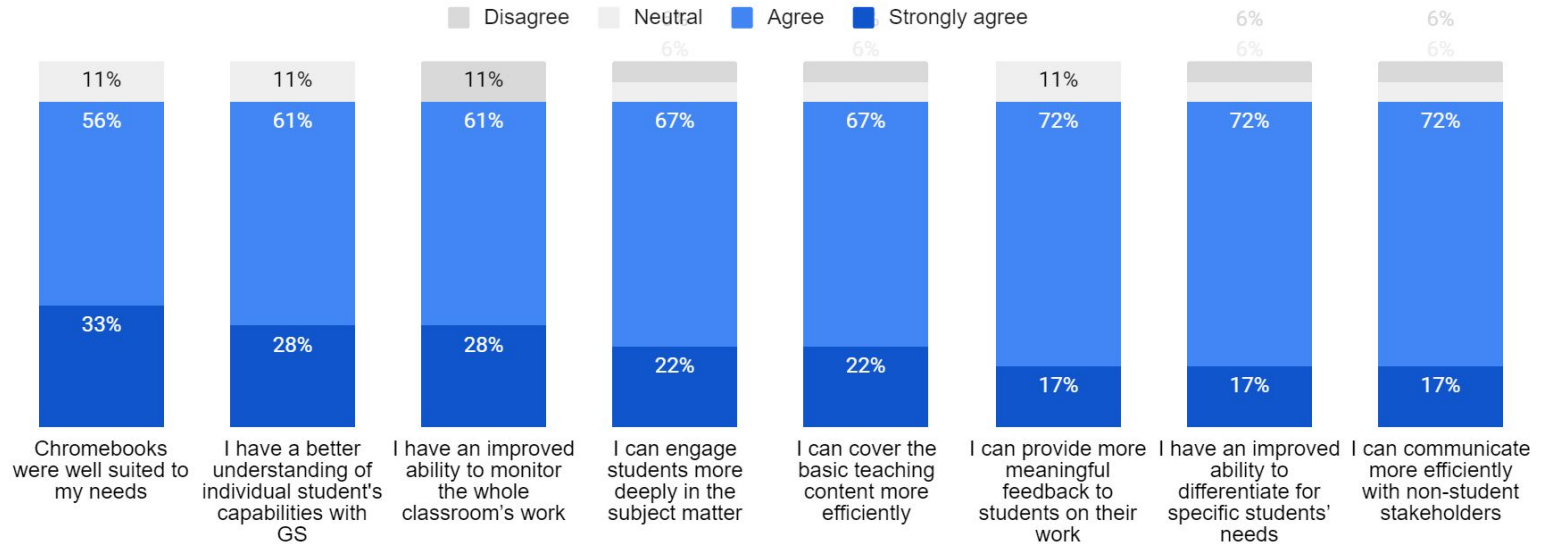
44%

says Google Workspace for
Education and Chromebook
save
more than 5 hours / week

Source: Teacher Survey; "Section 3: Questions about Your Schedule and The Effect of Google Solutions (GWfE) on your time." - n = 18

Teachers can understand students' individual needs and monitor classrooms better

Teachers' experience when using Chromebooks

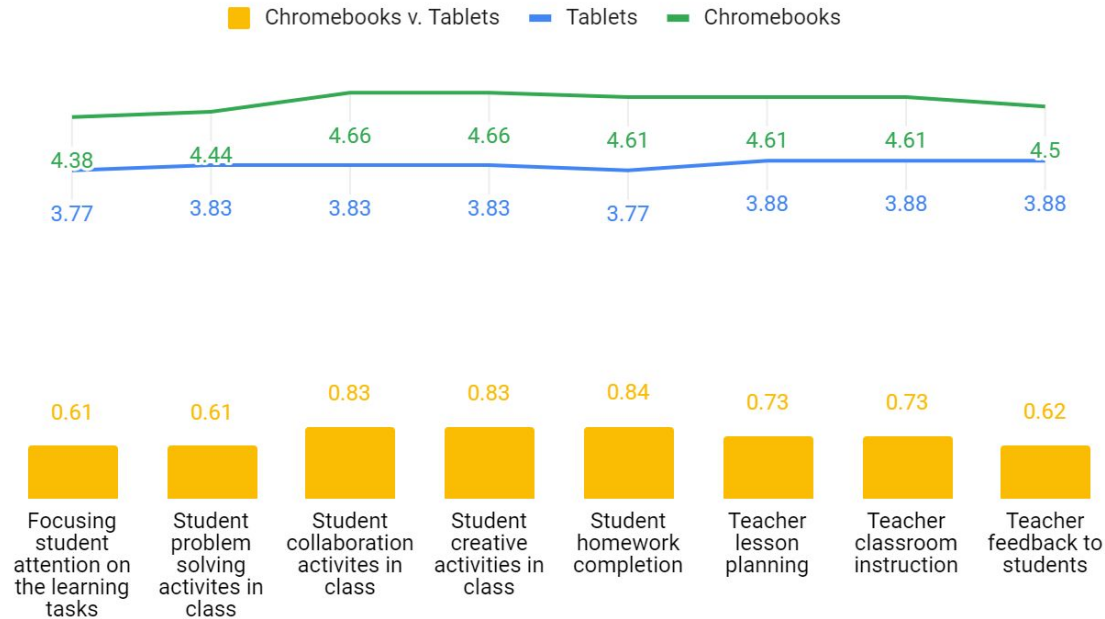


Source: Teacher Survey; "Please tell me your opinion about the following statements" - n = 18

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Device comparison

Chromebooks were rated by Teachers higher than tablets in all areas



Source: Teacher Survey; "Please rate how suitable Chromebooks / Tablets are for the following activities:" - n = 18

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Thank you!