



Chrome OS Enterprise for Education

Case 1

Questar:

**Saves \$2.1 million annually
with Chrome Enterprise and
Google Workspace**

Overview

For years, Questar paid additional fees to maintain PC laptops and other devices for their business. After working with Chrome Enterprise, this thought leader in educational assessment noticed how much they were saving — and how much more work their employees were getting done.

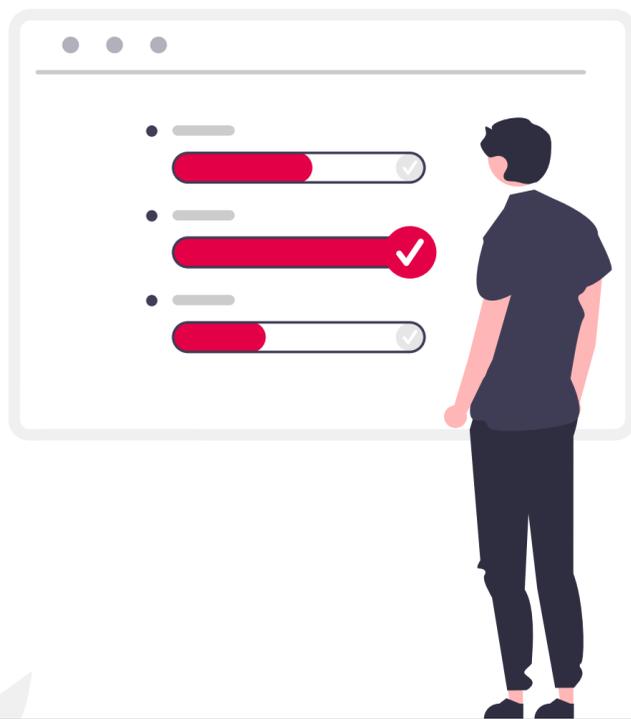
Chrome OS result

- Reduced costs by at least \$1,600 per device.
- Up to 75% time savings from provisioning devices.
- Fast onboarding process.
- Seamless workflow experience for employees.

1,200+ Chromebooks used by Questar employees

To help teach educators about testing techniques using the latest technology, Questar replaced their hardware and legacy systems with Chromebooks and Google Workspace. Adopting Chrome Enterprise helped the 40-year-old testing assessment provider function like a start-up again, saving costs and boosting morale in the process.

“With ChromeOS, I no longer need to patch or update software, nor do I need a process to wipe data. With the use of Chromebooks... it takes just minutes for me to set up each device, instead of hours... Our ‘40-year-old start-up’ now has the tools for more streamlined IT processes and attentive service for our clients.”



Case 2

GABA:

**Keeping language lessons
free of distractions using
Chromeboxes and ChromeOS**

Overview

To better manage lessons, records, and student accounts for its one-to-one English lessons for customers in Japan, GABA built its own operating system and browser-based work environment. But GABA's IT team spent too much time keeping the school locations' computers up to date and secure, as well as troubleshooting problems with the proprietary operating system. GABA traded its devices and proprietary systems for ASUS Chromeboxes and Chrome Enterprise—putting an end to system delays and crashes that interrupted language lessons.

Chrome OS result

- Improved the language lesson experience for students.
- Added central management of devices using Google Admin Console.
- Reduced device setup time to just 10 minutes.
- Eliminated compatibility issues with monitors and keyboards.

Easy management of a growing device fleet

GABA wanted a more reliable, less high-maintenance operating system, along with computers that didn't need device-by-device updates. After testing 16 ASUS Chromeboxes with Chrome Enterprise Upgrade, the language school found that delays and crashes were eliminated, which meant student lessons were no longer disrupted. The school purchased 1,000 Chromeboxes for its Learning Studios so that IT administrators could manage devices remotely and eliminate compatibility issues with peripheral devices.

“Nothing beats Chromeboxes when you have an increasing number of devices.”



Case 3

IIT-HOME:

**Managing student web and
app access with ChromeOS**

Overview

IIT-HOME, also known as True Education Institute, is a two-year institute that prepares students to take the highly competitive exams needed to attend India's most prestigious college and graduate programs. The 25-year-old institute, based in Nagpur, India, prides itself on the quality of its teaching for its several hundred teenage students—including very minimal use of technology, and a preference for in-person learning.

When learning had to switch to an online and remote model in early 2020, the institute quickly purchased any available laptops for students to use for their studies. But when parents and students expressed concerns about the distractions enabled by the Windows laptops—such as the ability to look up answers to questions and play games—the institute sought devices that could be better managed and controlled for student use. In 2021, the institute adopted Chrome Enterprise and ChromeOS devices. Econz, IIT-HOME's Google Premier Partner, assisted the institute with Chromebook evaluation, procurement, adoption, and policy implementation.

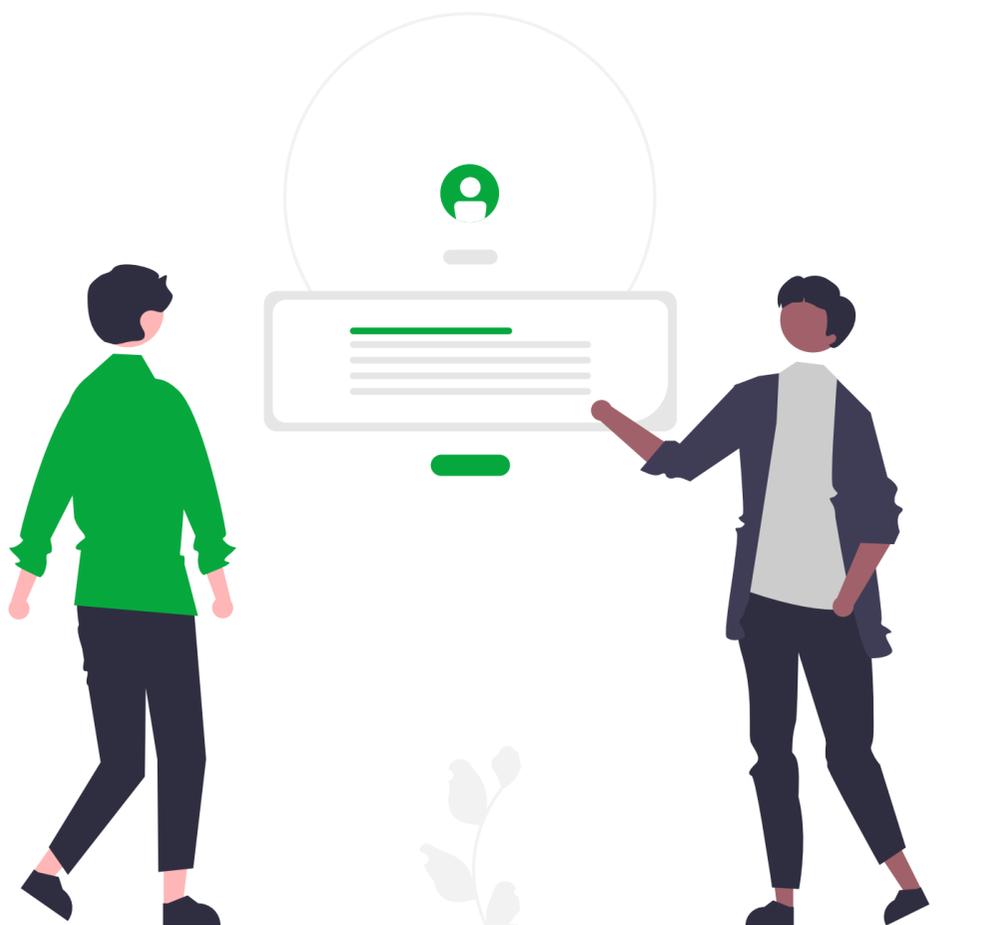
Chrome OS result

- IIT-HOME students remain focused on learning
- Approved website list settings allow IIT-HOME to limit student access to disallowed websites
- Teachers and parents gain peace of mind knowing students can only use their ChromeOS devices to visit approved websites and complete their assignments
- Centralized management allows IIT-HOME to operate with a small IT department

Managed devices meet goal of focusing students on their studies

For its first group of Chrome Enterprise devices, IIT-HOME chose the Acer Chromebook, moving on to the Lenovo Duet for newer ChromeOS devices as it features a touch screen and a detachable keyboard. Students use Chrome browser to access Canvas, IIT-HOME's learning management system, and store class documents in Google Drive. For IIT-HOME, one of Chrome OS's most important management capabilities is restricting access to websites. With just a few clicks in the Admin console, the institute's IT team can block or allow websites and apps as needed

“With Chrome Enterprise and Chromebooks, we can give parents peace of mind that their children can only access their studies.”



Case 4

Manhattan College: improves information technology services with Chrome OS

Overview

With its small IT staff, Manhattan College had no economies of scale for larger projects, which proved both inefficient and expensive. By shifting to Google Cloud, the staff now spends less time in the datacenter and more time devoted to the people they serve.

Chrome OS result

- Average time to adapt new hardware reduced to minutes
- Quickly deploy live instances with Google Cloud
- Quickly access various Google Cloud tools through Google Workspace
- Faster onboarding process, saving time and cost



Savoring progress and looking ahead

Manhattan College is pleased to have freed up IT staff to focus more resources on "business process improvement" through electronic workflows, and to make better sense of campus data through data reporting and analytics initiatives with campus offices. The department has successfully transformed a traditionally internal-facing IT position into "a user-facing technology trainer to empower users with these new tools." they eager to see how Machine Learning and Analytic tools might be used to support this effort.

"Google Cloud has given us a toolset to solve complex problems that we could not have solved on our own."



Case 5

Fimm:

**Breakthrough in personalized
healthcare with Chrome OS**

Overview

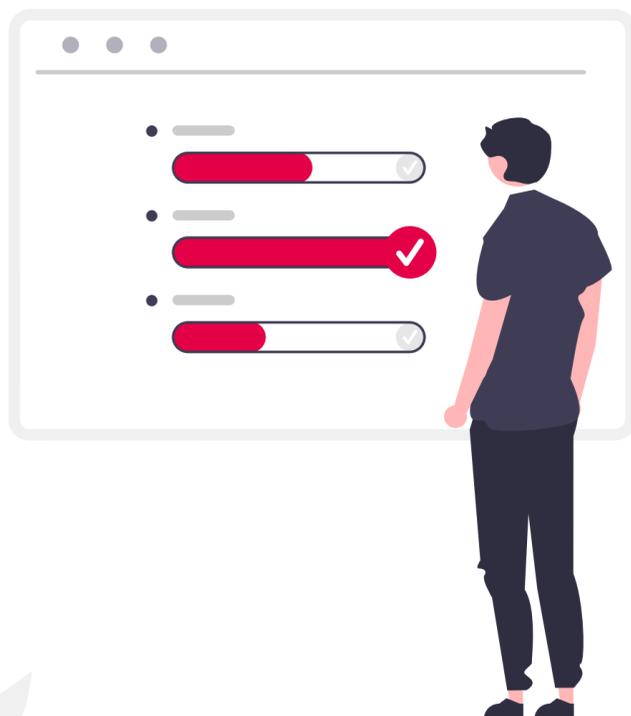
The Institute for Molecular Medicine Finland (FIMM) at the University of Helsinki was founded with an ambitious mission: to understand the causes of human diseases, improve diagnostics, and develop new treatments for common health problems. In 2017, it embarked on a major new initiative called FinnGen, which advances the goals of personalized medicine by bringing together the genomic data and national health register data of 500,000 Finnish citizens—or a tenth of the country's population. The field of personalized medicine aims to leverage large-scale biomedical data about populations into customized medical diagnoses and treatments for individual patients. FinnGen has partnered with nine international pharmaceutical companies as well as public institutions to become one of the largest collaborative biomedical research efforts to date.

Chrome OS result

- Preparing for Personalized Medicine
- Solve software compatibility issues with virtualized environments
- Stay productive regardless of time or location
- Keep sensitive patient data secure

The promise of new medical breakthroughs

The new datasets will be made available to FinnGen's international research team every six months, fueling more collaboration and potential discoveries. "We hope that FinnGen will reveal new biological or molecular mechanisms behind a number of diseases," Kaunisto says. "This will help deliver better diagnostics and treatments, or even ways to prevent disease. For example, if someone learns they are at high risk for cardiovascular disease, can we help them make lifestyle changes to decrease the risk?" FinnGen's pharmaceutical partners see the potential in using this research to improve their decision-making about which molecules to select for further study. Genetically-supported drug targets can lead to more successful drug trials, thus improving the odds of developing effective and safe drug treatments. With 500,000 participants, the study bears an enormous responsibility, Kaunisto says, which it takes very seriously: "we value the trust of our study participants and by ensuring their data privacy now we can all reap the long-term benefits of this research."



Case 6

**Arcadia Unified School District:
Chromebooks allow students to
get more engaged in their
learning**

Overview

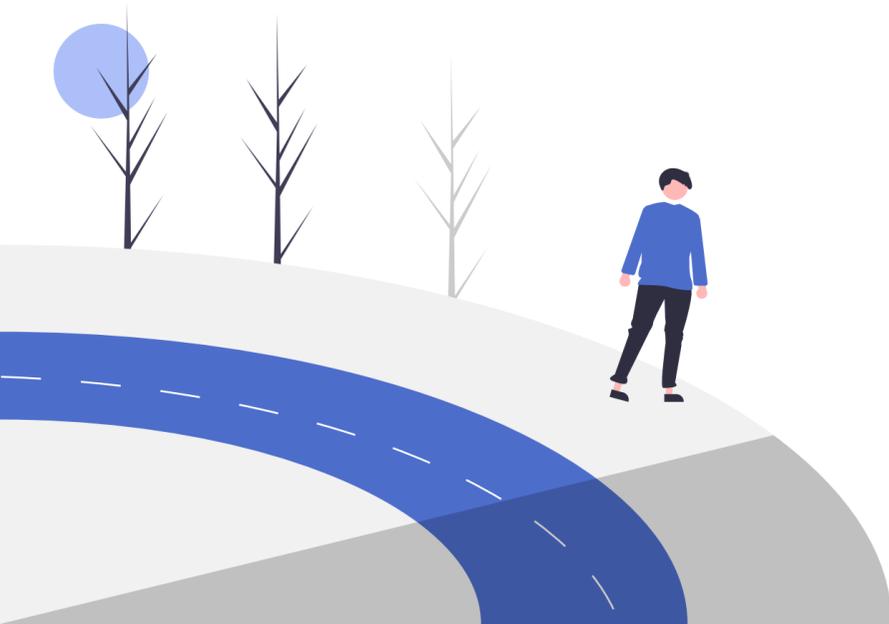
Arcadia Unified School District's implementation of Chromebooks and G Suite for Education led to tangible gains for students and teachers alike. Students became more engaged, thanks to the addition of self-directed learning. Teachers were able to help students who struggled, using a faster feedback loop to give them real-time results. Administrators implemented Google tools for themselves first, and after experiencing the benefits, became cheerleaders for a district-wide 1:1 rollout with full-time technology coaches to help integrate Chromebooks into classrooms.

Chrome OS result

- 74% of feedback indicates significant improvement in overall student learning
- 83% of feedback indicates that students enjoy using Chromebooks and G Suite for Education
- 71% students show better collaboration skills on Chrome OS
- 79% of feedback indicates that student-teacher interactions are smoother and more efficient

Cloud-first enters the classroom

Chromebooks and G Suite for Education help teachers combine IT and classroom pedagogy. Instead of a single teacher explaining points to students, students can search for resources on their Chromebooks to learn independently as the teacher progresses in class; after a period of time, teachers generally report a significant increase in student participation and performance.



Case 7

Maine Township High School District 207: Involving more students with Chromebooks

Overview

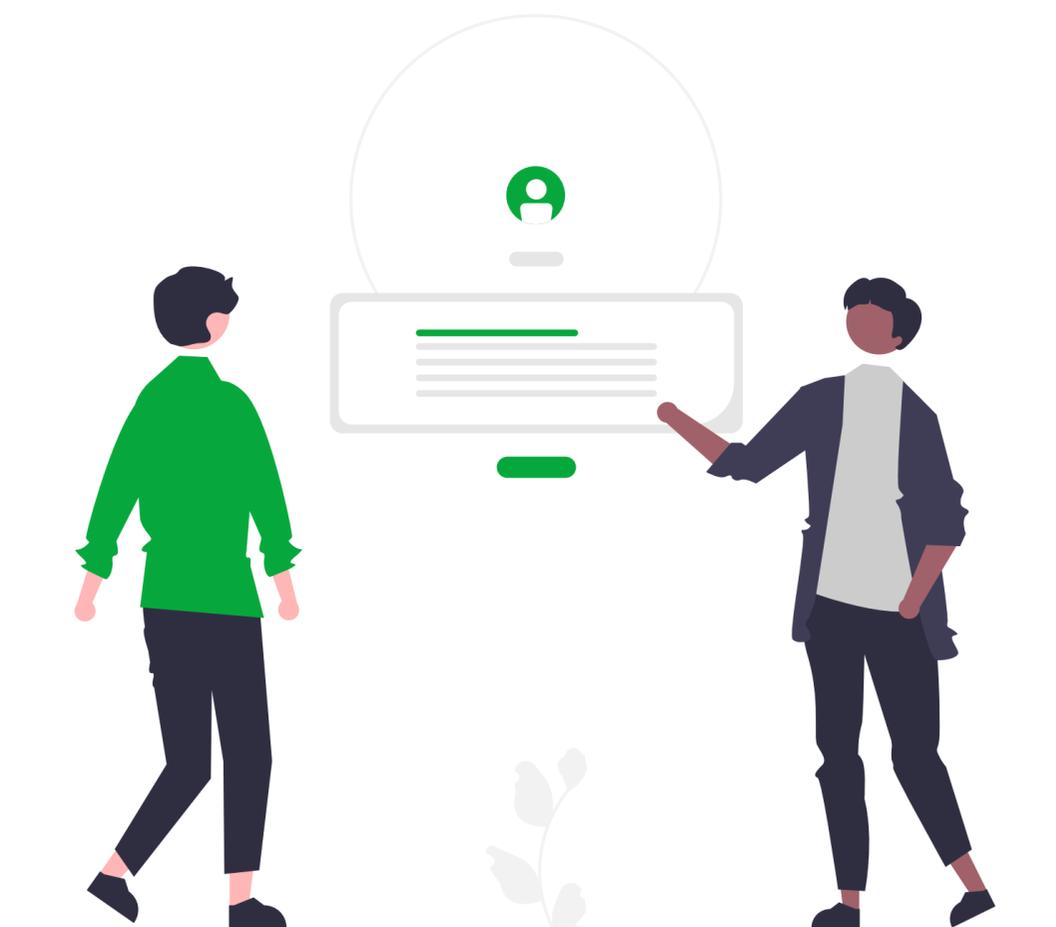
Maine Township High School District 207, located in the Chicago suburbs, was one of the earliest adopters of G Suite for Education in a K–12 educational context. Now, it's a district with one Chromebook for each student and teacher. Over the past eight years, Maine Township High School District 207 embraced technology in multiple aspects of their curriculum while giving teachers sufficient training and time to integrate Chromebooks and G Suite for Education at their own pace. The Chromebooks also work to bridge the digital divide. In a school district where a third of the students qualify for free or reduced lunch, the Chromebook is their day-to-day tool for getting things done. As a result, test scores remain steady despite outside factors (such as an increase of students from low-income households) that typically cause a decline

Chrome OS result

- 60% of students primarily use Chromebooks
- Students' average ACT scores have steadily improved
- Chromebooks and G Suite for Education save money on educational expenses such as books

Challenges become opportunities

Students in Maine 207 receive support for their Chromebooks at student-run help desks called the ChromeDepot. Many of these student “Tech Geniuses” explain that they learn real-life skills such as customer service, computer repair, and how to train others. These student leaders are essential, ensuring that students and staff get help when they need technology-related assistance. Moreover, it puts the students in the new role of helping teachers, linking tech support with improvements in student college and career skills.



FydeOS enterprise solution empowers your industry

In addition to providing the same quality experience and benefits as Chrome OS Enterprise, FydeOS enterprise solution can also offer system customisation and private deployment, including:

- Enabling FydeOS to run smoothly on your existing hardware, including x86 and selected ARM devices
- Customisation and enhancement of bespoke system features
- Private deployment of essential supporting services for FydeOS

Please contact FydeOS sales team for private customisation services.

NB: Source from <https://chromeenterprise.google/customers>



Thanks

