

Case study

# Kanazawa Sakuragaoka High School

**Students' activities recorded digitally and safely kept in one place! High-speed scanner contributes to better career choices by students.**

Koki Nagayama, teacher of health and physical education, in charge of career guidance, Kanazawa Sakuragaoka High School

## The customer

Country: Japan  
Industry: Education  
Students: 1,078 (as of FY21)



## The challenge

The new trend in entrance exams for universities urged the teachers to search for an efficient way to keep records of students' activities through three years at high school.

## The solution

The fi-7480 (1 unit) was deployed, collaborating with Google Drive to digitize and keep students' activity records in one place.



## The customer

Kanazawa Sakuragaoka High School is a prefectural school in Ishikawa, Japan. The school is one of the high schools designated by Ishikawa prefecture as one of the prioritized schools to develop international human resources for the next generation. The school proactively makes use of ICT both in the classrooms and in school administration. All the teachers have iPads for ICT, and staff meetings are paperless.

## The challenge

University entrance exams in Japan have changed recently. "In addition to knowledge and intellect, universities and colleges have come to place more importance on the personality of a student," explains Nagayama. "A document called 'report' is used to convey a student's personality to a university or a college. On the 'report', we are required to write down each student's activities in more detail than ever before, including what he or she has been motivated to do or involved in during his or her high school life." This change also led to a demand to keep student records throughout all three years as digital data instead of the orthodox paper document.

## The solution

One of the teachers proposed using a scanner to digitize and keep students' activity records in one place. They selected the fi-7480, which is a high-speed A3 scanner for business use.

Since then, the teachers have been using the fi-7480 to digitize papers used in lessons and records of club activities. The digitized data is automatically stored in each student's folder on Google Drive using a barcode.

"We are able to better capture each student's personality with more precision in the 'report', while spending less effort on gathering information. Currently, it takes about two weeks for a student to recall his or her past activities at high school. However, this is resolved by storing the documents and information digitally in one place."

Furthermore, the data gathered in one place will make it possible to transfer students' information to new supervising teachers quickly and thoroughly when a new school year starts. Thus, a new teacher is able to understand a student properly and give optimal guidance based on the path the student followed.

## The benefit

- Capable of saving activity records of a student throughout the three years at high school, in one place
- Relieves the burden on teachers' workload to concentrate on the primary mission of education
- Eliminates the concerns related to papers such as damages or losses
- Saves budget from costly monthly subscriptions or services to track students' activities
- Better career guidance based on a student's interest

## The benefit

Combined with Google Drive, the fi-7480 made it possible to manage the students' activity records efficiently.

The school can keep track of the students' three years at high school with ease and at a lower cost. The data will be a great help for both teachers and students to prepare for entrance exams of universities or colleges.



"The number of paper documents to be kept during the three years at our school will total about 300 sheets for one student. Having that amount of documents in one place is very handy," says Nagayama. In addition, by digitizing the paper documents, teachers are now relieved from concerns such as damages to or losses of paper documents.

There are some charged tools for accumulating activity records. However, they are not the preferred options for a public school like Sakuragaoka High School because of the fees. Instead, the teachers take advantage of a scanner and Google Drive to fulfill their purpose with lower expenses.

About five worksheets are distributed to a student for a single course unit. On the first worksheet, a barcode to identify a student, created by the "image" function of Google Sheets, is attached. When a unit ends, teachers collect the worksheets and group the worksheets by individual students, arranging the order so that the bar-coded worksheet comes to the top of each student's bunch. After that, a teacher scans the worksheets from the same class at a time. The software "PaperStream Capture" bundled with the scanner divides documents using barcodes so that the data is saved in each student's folder.

"The number of papers to be scanned is five sheets multiplied by 40 students per class, and we have nine classes. With the fi-7480, we can scan them all without paying attention to mixed sizes. Even duplex worksheets are scanned without sacrificing the scan speed. That helps us a lot," says Kubokawa, one of the teachers at the school, who suggested the digitalizing operation in detail.

They have also introduced third-party examination software. The examination software recognizes and scores answers on answer sheets digitized by a scanner to reduce the burden of manual scoring. "It only takes a half of the time teachers used to spend to score the exams," says Nagayama. "Another benefit is that the answer sheets are saved as digital data. Teachers used to make copies of answer sheets for reference which was not always necessary and not environmentally friendly."

Using the time that has been saved with the use of the digital scoring system, the teachers now spare more time for preparing for lessons or answering questions from students.

Before the deployment of the fi-7480, A4-sized answer sheets were used because ScanSnap iX1500 does not scan B4-sized documents. There is limited space for filling in answers for the A4 size document. "With the fi-7480, we are going to revert to the B4 size answer sheet. In addition, the scanning speed of the fi-7480 is fast, so we are sure we can use the scanner in many other scenes as well."

## Products and services

- fi-7480
- ScanSnap iX1500
- PaperStream Capture
- Third-party software for examinations
- Google Drive
- Google Sheets

## Conclusion

The main challenge for Sakuragaoka High School was how to keep records of a student's activities efficiently throughout the three years at high school. Implementing the fi-7480, coupled with Google Drive, was a solution for the school.

Also, the combination of scanners and third-party examination software has greatly reduced the time teachers used to spend on scoring and making exams.

Digitalization by scanners has been a great help for the teachers, who wish to provide education and guidance of higher quality to students.

## About Ricoh

Ricoh is [empowering digital workplaces](#) using innovative technologies and services that enable individuals to work smarter from anywhere.

With cultivated knowledge and organizational capabilities nurtured over its 85-year history, Ricoh is a leading provider of digital services, information management, and print and imaging solutions designed to support digital transformation and optimize business performance.

Headquartered in Tokyo, Ricoh Group has major operations throughout the world and its products and services now reach customers in approximately 200 countries and regions. In the financial year ended March 2022, Ricoh Group had worldwide sales of 1,758 billion yen (approx. 14.5 billion USD).

For further information, please visit [www.ricoh.com](http://www.ricoh.com)

\*Google Drive and Google Sheets are trademarks or registered trademarks of Google LLC.

\*iPad is a trademark of Apple Inc.

**PFU Limited**

Contact  
Address: YOKOHAMA i-MARK PLACE, 4-5  
Minatomirai 4-chome, Nishi-ku, Yokohama-shi,  
Kanagawa 220-8567 Japan  
Phone: +81-45-305-6000  
Website: <https://www.pfu.ricoh.com/global/>

RICOH and RICOH logo are registered trademarks of Ricoh Co., Ltd. Other product names are the trademarks or registered trademarks of the respective companies.

<https://www.pfu.ricoh.com/global/scanners/casestudies/>