



STATE OF HAWAII
DEPARTMENT OF EDUCATION
WAI'ANAЕ HIGH SCHOOL
85-251 Farrington Highway
Wai'anae, Hawai'i 96792
Phone 697-9400 • Fax 697-7018

Dear Parents and Guardians,

One of our goals is to provide an enjoyable eating experience for your teenager. That means not only having enough time to eat enough food to meet their nutritional needs, but also having time to talk, laugh and socialize with their friends.

Socializing is an important aspect of dining because it allows children sufficient time to relate to others, provides a break in routine and refreshes them for afternoon classes. Students enjoy their food more and may even try more healthy options if they can relax, eat, and socialize without feeling rushed.

One way to give our students more time to eat is to speed up the lunch lines. One of the fastest ways to get students through the lines is by eliminating the ID cards, ID numbers and manual entry because students lose or forget their ID cards and forget or mis-enter their ID numbers causing the lines to move slower.

We have decided to implement a finger scanning ID system, similar to the one on many iPhones. With the simple touch of a finger, the students are identified fast and easily. By eliminating ID cards and numbers the lines move faster, and students have more time to eat and socialize. Here are some things you might want to know.

- Being part of the system is COMPLETELY VOLUNTARY. You may OPT OUT if you don't want your child to participate.
- There are no images of any fingerprints taken. ZERO.
- The initial finger scan is converted to an encrypted string of numbers - the template.
- The template is only associated with the student's name (first name, last name, middle initial - if they have one), student ID number, grade and school. That's it!
- All templates are located behind the school district's firewall with all the security protections currently in place for all our data. The vendor does not host or have access to any of our data.
- The templates are only being used to identify students who are enrolled in our system.

Participation in the program is 100% voluntary!

Being part of the system is COMPLETELY VOLUNTARY. You may OPT OUT if you don't want your child to participate. Your child can simply use the current ID method. You may also OPT IN if you change your mind in the future. It's your choice.

How does finger scanning ID work?

We will be using finger scanning ID similar to many smart phones. Using a finger scanner, the software scans certain unique points on the finger to create and store individual numerical templates that identify each student. When the student returns, the software again scans the finger and looks for a numerical template match in the database. When a match is found, the

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student is identified. This all happens in about a second.

What about the privacy of our students?

The software scans the finger for identification. It does not store a copy of the fingerprints. Instead, the software creates a template of the unique points on the finger. The template is converted to a unique number and is stored in the school district's database with the same high level of security of all our records.

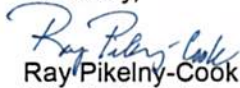
The templates are also protected by the Family Educational Rights and Privacy Act (FERPA). FERPA is the same Federal Law that protects all student records. When your child graduates or is no longer enrolled in the school system, the templates are deleted. At no time is a fingerprint image stored. Once again, the vendor, identiMetrics, does not host or have access to any of our data or records.

It is important to understand that we are NOT fingerprinting students. In addition, fingerprints cannot be recreated or delivered to any agency - governmental or otherwise.

Thanks for your attention!

It is important to us that your child's experiences in school are educational and rewarding. This new way of identifying our students is safe, easy, accurate, efficient and secure. If you have any questions or do not want your child to participate and opt out of the system, please contact us.

Sincerely,



Ray Pikelny-Cook
Principal, Wai'anae High School

How it works



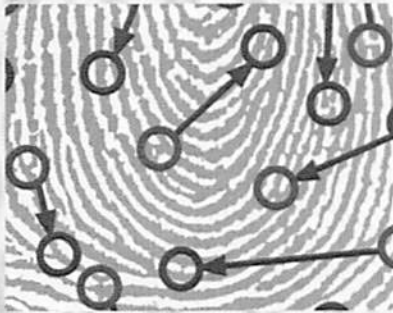
identiMetrics™
Simplify your school day

The identiMetrics™ Finger Scanning Process



Finger is scanned

In order to be enrolled in the computer software, the person's finger is scanned by the biometric finger scanner. The computer software develops a grid of intersection points from the swirls and arcs of the scanned finger.



Unique points identified

A template is created by the software that shows the intersection of unique points on the finger. The fingerprint image is destroyed. The template is converted to a binary number. The binary number is then encrypted and stored.



Points converted to unique binary number

When the person returns to be identified, the finger scanner again scans the finger. The computer software now compares the new template with the other templates in the database. When a matching template is found, the person is identified.

This identification and matching process takes under one second to complete.



Encrypted binary number linked to ID

No fingerprint image is ever stored. No fingerprints can be recreated from the template.

Just like the iPhone!



Differences Between Identification Software and Law Enforcement Applications

Identification Software	Law Enforcement Applications
Uses flat images of only two fingers to create templates.	Captures rolled images of all 10 fingers.
Flat images reveal the center of the finger and require only a minimum of unique identifying points in order to make a match.	Rolled images capture unique identifying points on the entire finger surface in order to collect the maximum number of unique identifying points.
The purpose is to identify a person already enrolled in the software.	The purpose is to identify suspects based on fingerprint images directly taken from a crime scene.

Frequently Asked Questions

Q: What is biometric identification? A: Biometrics are automated methods of recognizing a person based on a physiological or behavioral characteristic. They include face, fingerprint, hand geometry, handwriting, iris, retina, vein and voice – anything that's a part of you.

Q: Why choose finger scanning for identification? A: Because it's fast, accurate, cost-effective and secure.

Q: Can my fingerprint be given to anyone else? A: No. There are no fingerprint images stored. Only encrypted numerical representations of the unique points of the fingerprint are stored.

Q: Can my fingerprint data be taken off the computer and used to re-create my fingerprint? A: No. identiMetrics never takes your fingerprint, only unique points. The actual fingerprint cannot be recreated from the encrypted template.

Q: Can my fingerprints be taken from the computer software and used on another fingerprinting system? A: No. identiMetrics™ uses a proprietary algorithm that can only be used with identiMetrics software.

Q: Can my fingerprints be copied or used by anyone else? A: No. It is impossible to duplicate or falsify fingerprints from the information stored in the identiMetrics software.

Q: Can anyone get into the identiMetrics database and extract a fingerprint image or a digital template and associate it to a particular person? A: According to Dr. Stephanie Schuckers, Director for the Center for Identification Technology Research at Clarkson University, the biometric software does not store the user's fingerprint image. The images are destroyed after they are used to build a unique mathematical model using both minutia based and vector analysis. That encrypted digital template cannot be de-encrypted and decoded to obtain the minutia based template and consequently recreate the original fingerprint image.

Q: Do twins have the same fingerprints? A: No. Every person has unique fingerprints, even twins.

Q: Do finger scanners spread germs? A: According to a Purdue University study, biometric sensors are no dirtier than doorknobs.

Q: Why Biometrics in Schools? A: Many areas in an organization require identification. The most common kinds of identification currently in use are picture ID cards, PINs, and, of course, visual identification. Each of these methods creates its own issues and is a drain on time and resources.

Cards are regularly forgotten, lost, mutilated and shared; PINs are easily forgotten, swapped or stolen. Also, visual identification is a poor solution, especially with today's considerable security concerns and reporting issues. By using biometrics for identification, the problems and costs associated with the current methods can be avoided and new standards of accountability can be put into place.

Q: What about Parent privacy concerns? A: Parents need to trust both schools and the service providers that work with schools. In an effort to ensure that parents can be confident in how organizations use student data, the Future of Privacy Forum and the Software & Information Industry Association have developed a Student Privacy Pledge that education service providers are signing to show their commitment to safeguarding student privacy. identiMetrics was an early signatory of the Student Privacy Pledge www.studentprivacypledge.org.

Need more information? Please visit our website www.identiMetrics.net

Josh Green, M.D.
Governor

Keith Hayashi
Superintendent



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Biometrics Opt-Out Form

I do not want my child(ren) to participate in the biometric finger scanning ID program.

I understand that the biometric software does not take an actual fingerprint and at no time is a fingerprint image ever stored in the system. I also understand that all data is stored on school servers behind school firewalls.

Should I elect to have my child(ren) use this biometric finger scanning ID system in the future, I will submit a written request to opt-in.

By submitting this form, I understand that my child will be required to use another form of student identification (Barcode, PIN or ID card).

Your Child(ren's) Name: _____

Parent/Guardian Name (print): _____

Parent/Guardian Signature: _____

Date: _____