

Impact Cashless Catering Systems
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Impact Biometrics Leaving a Lasting Impression

Bio – what?

Biometrics authentication is the automatic recognition of a living being using suitable body characteristics. By measuring an individual's physical features in an authentication inquiry and comparing this data with stored biometric reference data, the identity of a specific user is determined. There are many different biometric features that can be used for authentication purposes these include finger image, signature, iris, retina, DNA or any other unique characteristic. Once a characteristic has been chosen the next stage in the Biometric process is authentication. A biometric feature is saved on to a database. Once the data has been stored, a new scanning of the biometric feature is taken. If the comparison is positive, access to the appropriate application is granted.



Make up of a fingerprint

IMPACT

The future is in your hands!

A history of biometrics

Once the domain of the local constabulary, Biometric technology is now being used at many locations around the country. Banks, supermarkets and now even schools and colleges are adopting this increasingly popular technology. Biometrics are not new, their roots have been traced back to ancient Egyptian times. The use of finger images as a security device started with Chinese officials using them to seal documents in the second century BC. Over the last few years the technology has begun to find favor commercially.

Whilst the use of Biometrics has been steadily growing over the last ten years, the past couple of years have seen an explosion in development, interest and vendor involvement.



Impact Biometrics is coming to Christleton High

We are pleased to announce that we are installing a biometric system for the new I Research area which will enable quicker processing of book lending as well as managing registration, in the first instance, for those Students who arrive late for school or leave early for medical appointments etc. This will allow us to continue with the development of systems within school to provide a more efficient, faster and ultimately better quality of service so that teaching and learning is interrupted less. Next term we will be trialling it for Assembly registrations.

The system incorporates the latest technology and this document gives details of what is involved. Students and Staff will be registered onto the system as soon as we return in September, but if for some reason you do not wish your child to be biometrically registered, please complete the Opt Out form and return to the school office by 18 July.



Biometrics and Security

Students, parents and staff can rest assured that the fingerprint images cannot be used by any other source for identification purposes. The system uses an image of the fingerprint to create a mathematical algorithm and then discards the finger image; only the numbers remain and these cannot be reinterpreted back into a finger image.

**The future is
in your hands!**

Frequently Asked Questions

Why do you need to take my child's finger image?

By taking an image of your child's finger image we can turn this information into a digital signature.

Can finger images be used by any other agency?

No, the software we use turns your child's finger image in to a mathematical algorithm. The image of the finger is then discarded. The information that is stored cannot be used to recreate an image of the child's finger.

What happens when my child leaves the School?

When a student leaves school all data can be deleted very easily.

How does it work?

When the child places his/her finger on the scanner, the software matches their finger image with the unique digital signature held in the database.

Impact Biometrics Opt-out form

I do not wish my child to be included in the Impact Biometric registration process

Name of Pupil: _____

Year: _____

Class: _____

Name of guardian or parent: _____

Signed: _____

Please fill in this form and return to the school office