

Biometric Student Project Options

Each group will be made up of 5 students.

Option 1: Anytown, USA is in the process of building a new high school. Take this opportunity to help the County Board of Education decide on new biometric technology to implement throughout the school. Be creative! Use the website below to locate school layouts that may be helpful in your planning.

Welcome to School Planning

<http://www.schoolclearinghouse.org/>

Left Side-Elementary/Middle/High School

Click on a School - Click **Floor Plans** at the top of the page

** Physical access - buildings, computer labs, science lab, offices, library, classrooms, gym

** How it can be used in the library?

How it can be used in the computer lab?

How it can be used in the classroom?

Option 2: Think into the future. Imagine a world filled with biometrics. Applications are everywhere, used to grant people access to all sorts of everyday items and activities. Develop a product that would make life easier by using biometrics **or** enhance an existing product/access mechanism with biometrics. Use the examples below as a starting point, but be creative and develop something unique.

Some web sites of VENDING/ CASH machines that use biometrics

Lab Nets Learning Experience - Biometric COKE

<http://symblogogy.blogspot.com/2006/08/lab-nets-learning-experience-biometric.html>

TOUCH AND GO: BIOMETRIC PAYMENT OPTION

http://www.vencoa.com/biometric_payment.html

Cash machine

<http://www.silicon.com/silicon/publicsector/0,3800010403,39160551-4,00.htm>

Iris - Recognition Immigration System

<http://www.silicon.com/silicon/publicsector/0,3800010403,39160551-10,00.htm>

For both options, please answer the following questions. Fill in the template with your answers and please be detailed.

What is the new concept? Describe it in detail.

What type of biometric device(s) will you use?

Are there any environmental factors that would prohibit you from using it this particular device (i.e. weather conditions, etc.)?

Are there any factors that would keep individuals from being able to use this device?

Is there any cost savings with implementation of this concept? Think generally. It's not necessary to list specifics but think about how this may save money.

Are there ways to fool the device?

See example below. For your concept, look for ways that the device you choose/create could be fooled.

Gummi bears - FOOL THE READER

<http://www.silicon.com/silicon/publicsector/0,3800010403,39160551-8,00.htm>

Who would benefit most from implementation of this product or service? Business, consumer, students, etc.?

If time permits.....

Research various companies online that manufacture these products and decide on the exact device and model. Be prepared to back up your choice.

Presentations will be made in the form of recorded podcasts or power point presentations. Answer each of the questions above being as creative as possible. Then you will act out a short 3-5 minute skit on using the new tool.