

North Tonawanda High School



**Academy of
Information Technology**

AOIT Director – Mrs. Sattelberg

Why

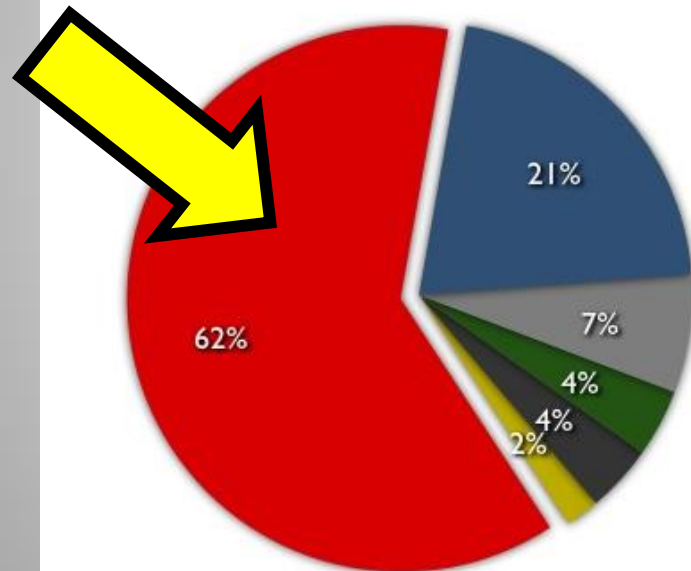
A O I N ?

Computing Careers are in DEMAND

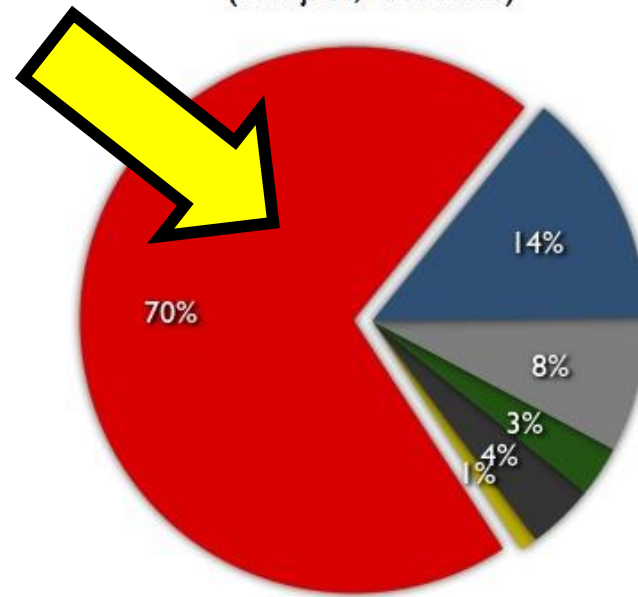


Computing is where the jobs are...

Projected S&E Job Openings
(new jobs + net replacements, 2006-2016)



Projected S&E Job Creation
(new jobs, 2006-2016)



● Computer Specialists	● Engineers	● Social Scientists
● Life Scientists	● Physical Scientists	● Mathematical Scientists

Step Toward a Rewarding and Successful Future by Building Your Computing/IT Skills!

Combining IT skills with any other career path will make you more marketable and prepared for today's computer driven workplace.

law + computing

business + computing

medical + computing

music + computing

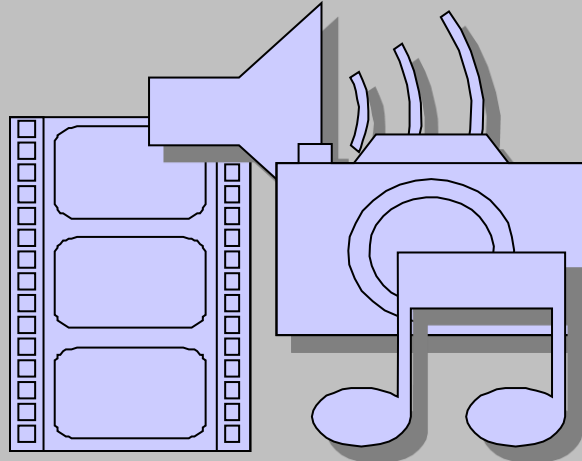
art + computing

What is an academy?

Academy of Information Technology

- ★ Four year series of courses taken to give you experiences that will help you decide which career path is best for you.
- ★ Focus on developing technology skills for success in a digital, technology-based workplace.
- ★ The chance to have a more focused high school experience.
- ★ **A SPRING BOARD FOR ANY FUTURE CAREER! IT skills are expected in all professions.**
- ★ Teachers who get to know you and your interests.
- ★ Courses available based on student demand.
- ★ Field trip opportunities, **internship placement**, active involvement in decisions about your future.

Are you...



or

INNOVATIVE?

Do you just like computers and want to do something connected with computers?

AOIT Brochure (red)

- ★ Academy courses include classes in art, technology, English, business and computing.
- ★ Flexible scheduling so you can take other courses (like band and foreign languages).
- ★ See your brochure for a list of courses.

AOIT Courses

(Freshmen and Sophomore Year)

- Principles of Information Technology (business)
- Computer Systems (technology)
- Introduction to Computer Programming – JAVA (business)
- Digital Media (art)

AOIT Courses **(Junior & Senior Year)**

- Digital Media Technology and Production (film)
- Web Design and Multimedia
- Marketing and Advertising
- Advanced Computer Programming
- AP Computer Programming
- Animation and Game Design
- Career Internship

YOU CHOOSE

YOUR PATH...



Computer Science Path - Technical/Innovators

Those who design and maintain the technology
that every industry counts on.





Creative/Users

Those who use technology to provide technology products and services.



A O I T



STUDENT

SHOWCASE

SHOWCASE



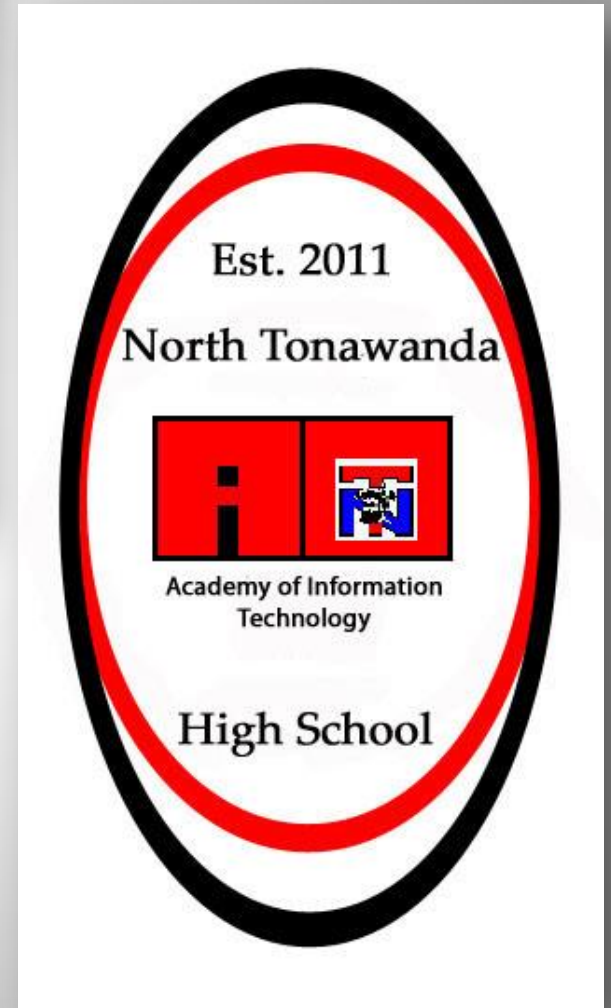
WE ARE THE

FACE

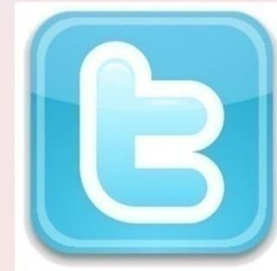
OF COMPUTING



Student Logo Designs



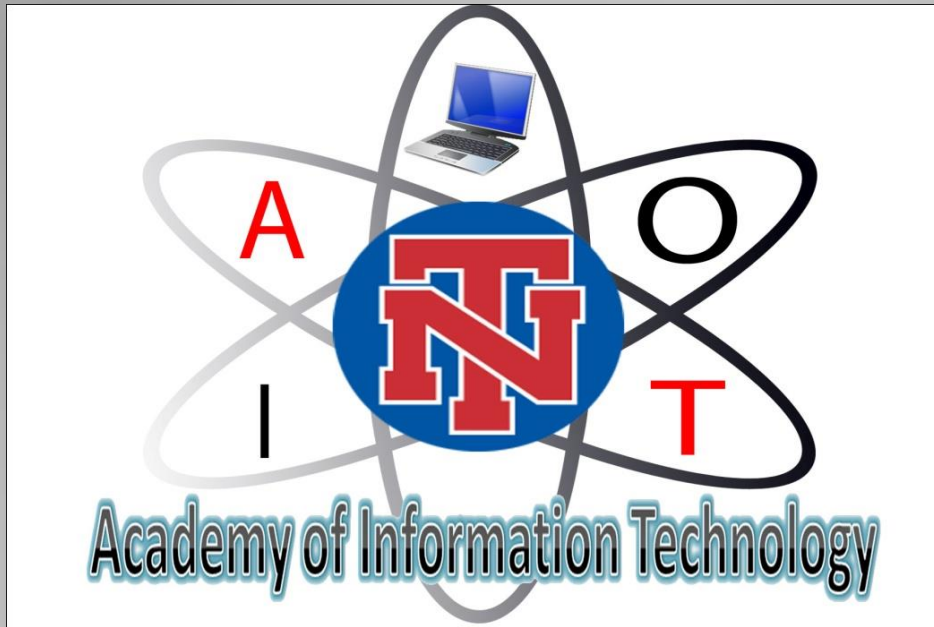
Academy of Information Technology



**Student
Logo
Designs**



Academy of
Information
Technology



**Student
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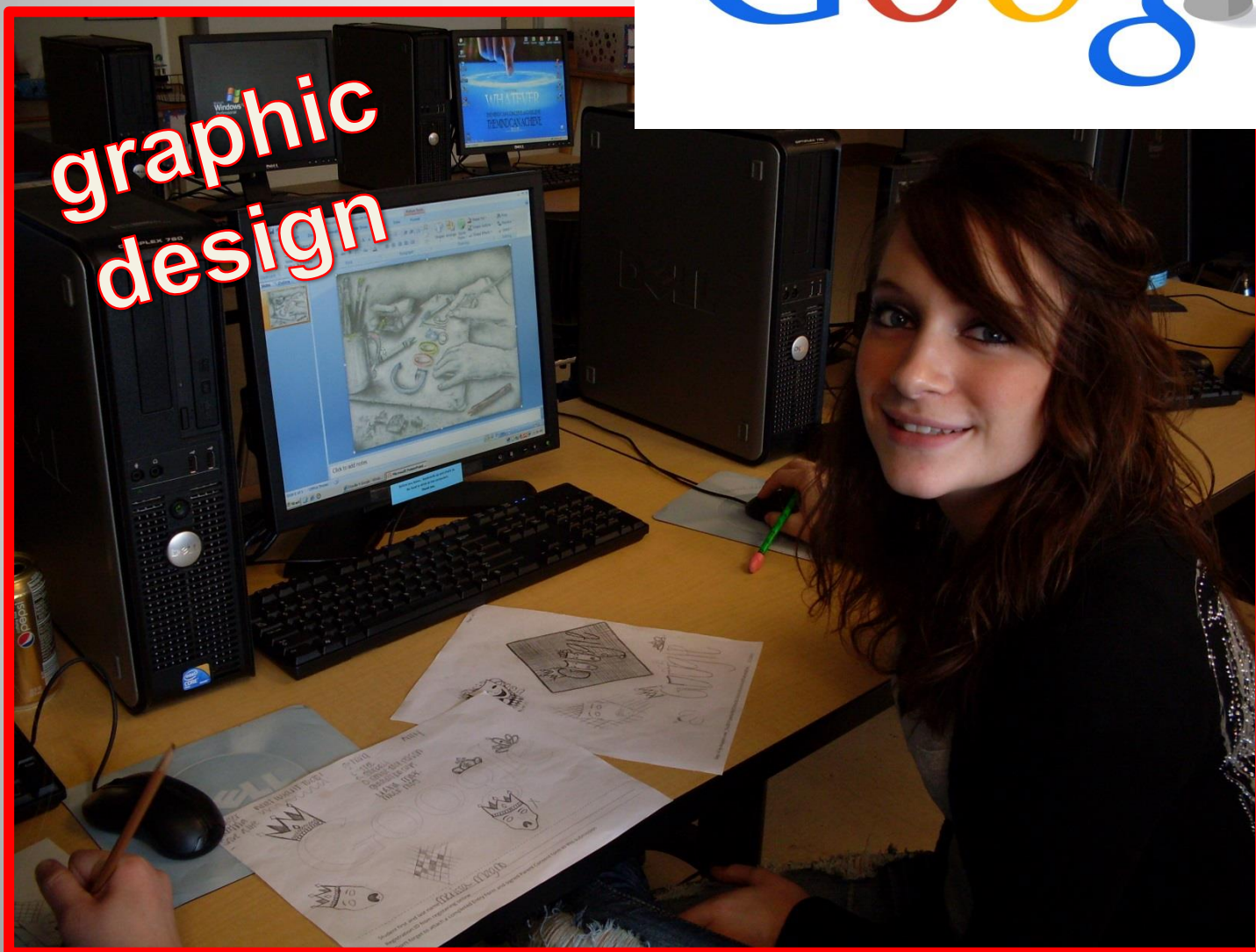
Winning Design

Computing at NTHS



Doodle 4
Google

Computing at NTHS



Doodle 4
Google

Computing at NTHS

graphic
design



Doodle 4
Google

Computing at NTHS

graphic
design



Doodle 4
Google





Student Work



HelloMe

Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close Source Code


```
1 import edu.cmu.ri.createlab.terk.robot.finch.Finch;
2 /**
3  * Created by: YourName
4  * Date: Today's date
5  * make the robot say hello to you
6  */
7 public class HelloMe
8 {
9     public static void main(final String[] args)
10     {
11         // Always start out by naming your Finch
12         Finch dianne = new Finch();
13         dianne.saySomething("Hi Pat"); // refer
14         dianne.sleep(1500); // give the robot t
15         // Always end your program so the finch
16         dianne.quit();
17         System.exit(0);
18     }
19 }
```

You always need to import the robot code

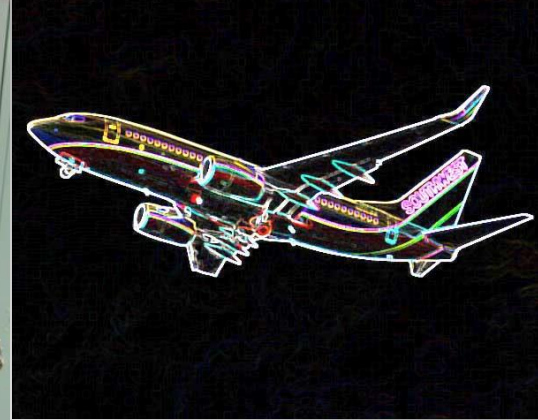
Comments tell whose program it is, when it was written and what it does

This class is called HelloMe

every program starts with the



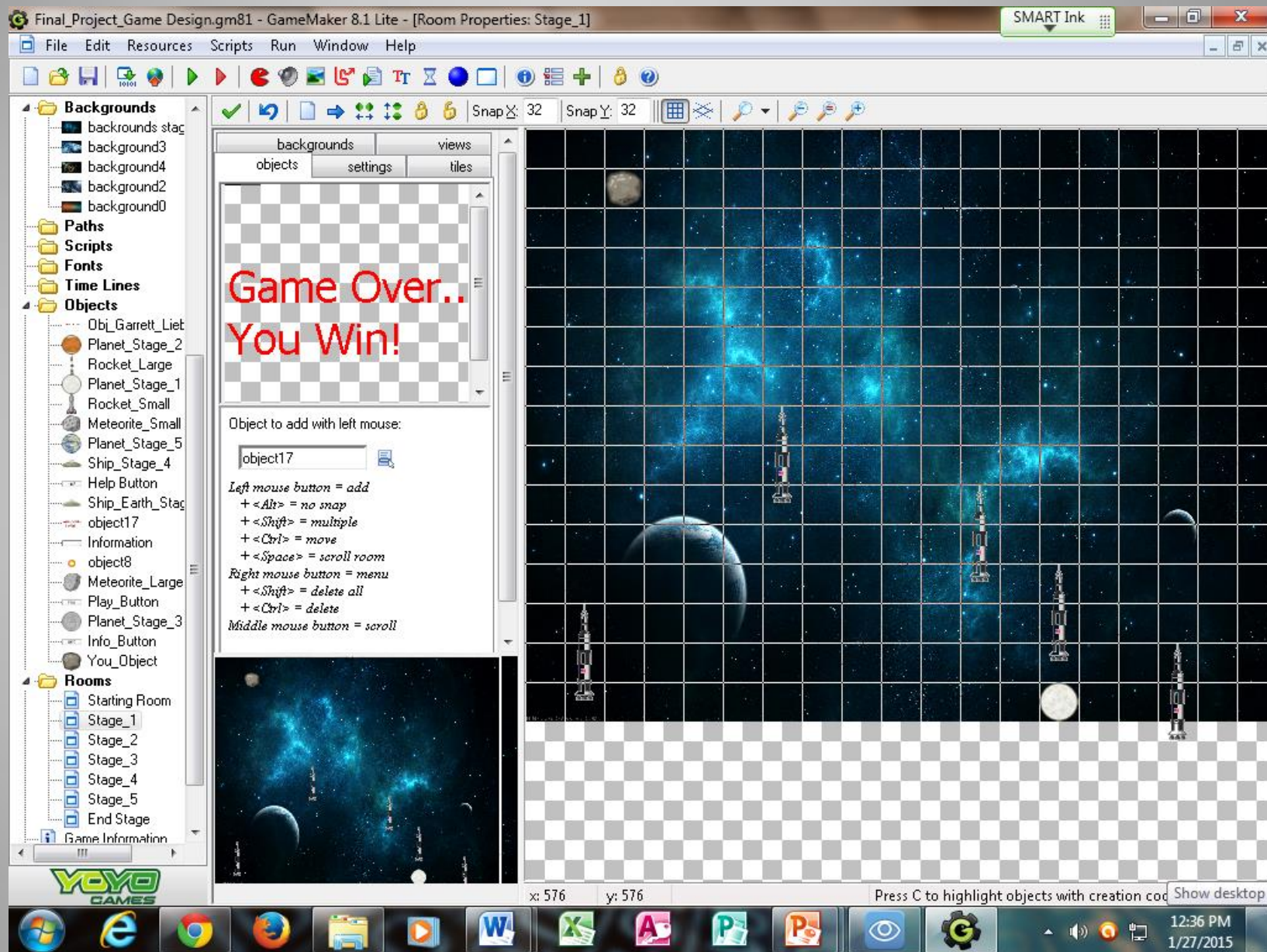
changed



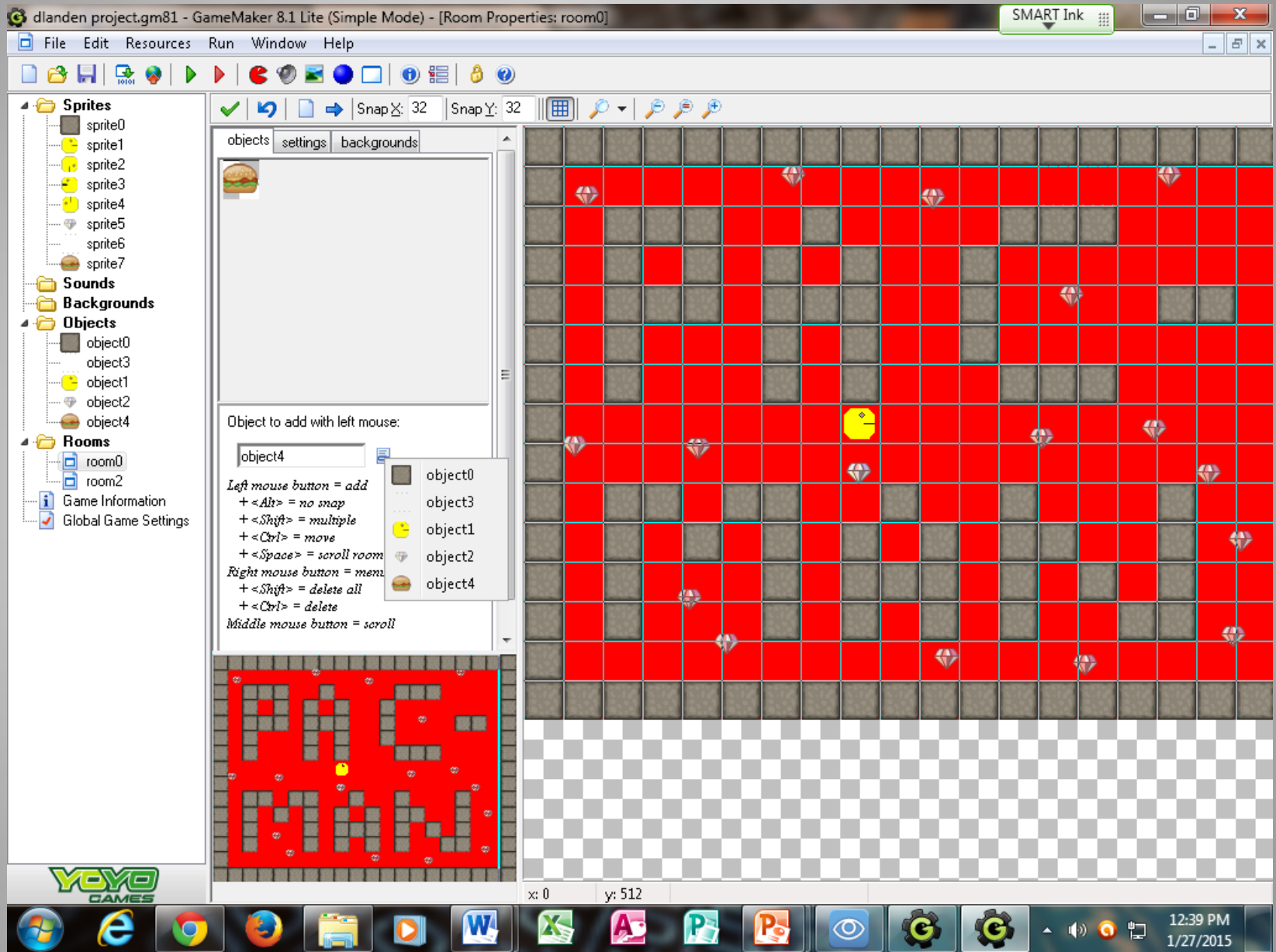
Student Work



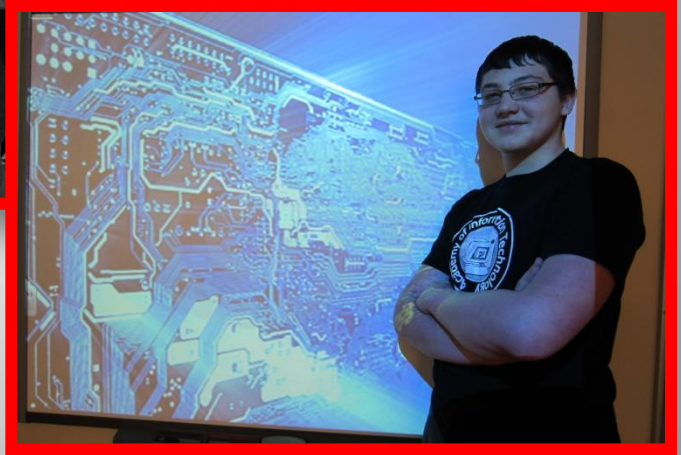
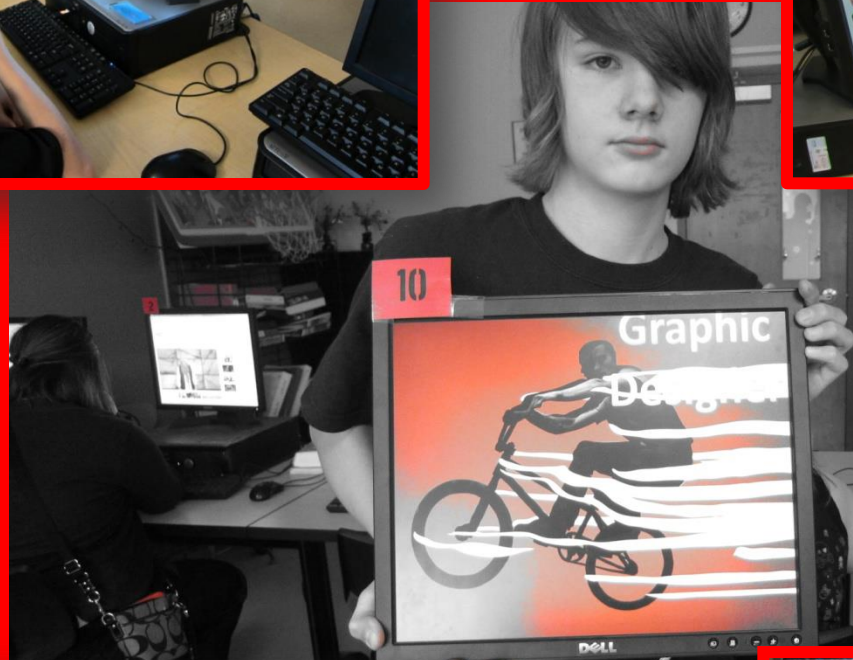
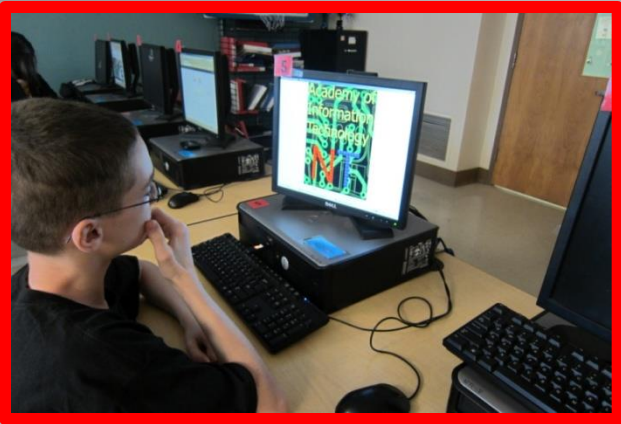
Student Work – Game Design



Student Work – Game Design



AOIT Students



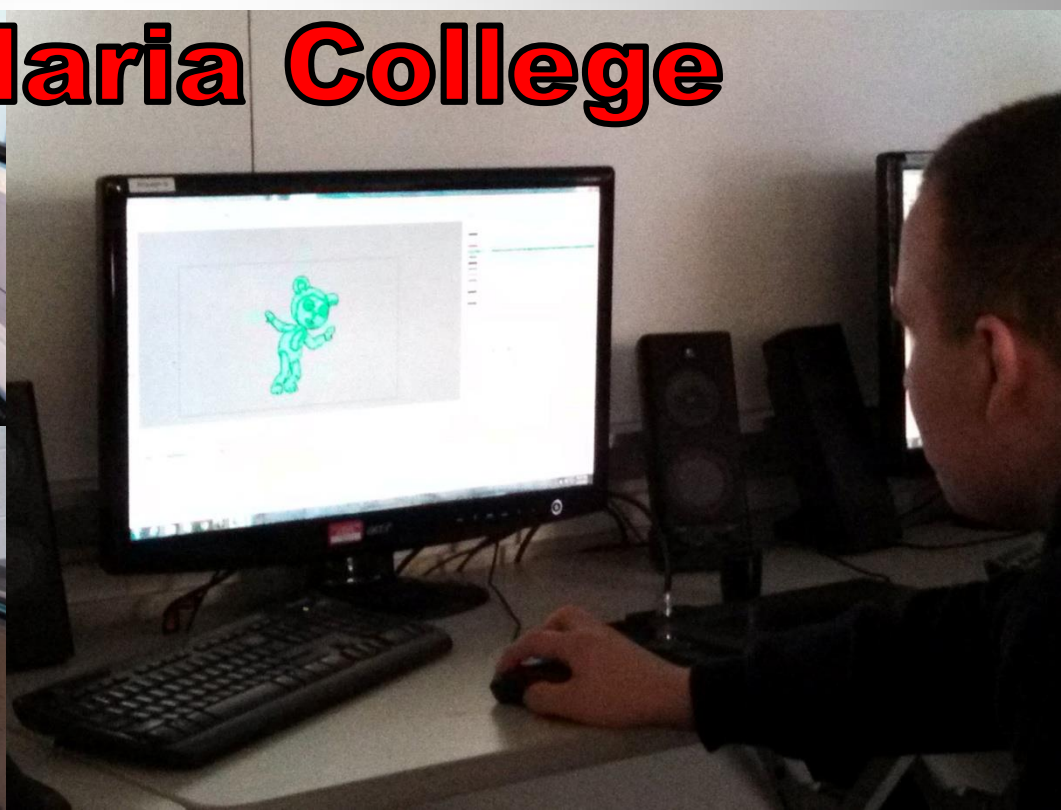
Academy Students



Field Trips



Animation Workshop at Villa Maria College

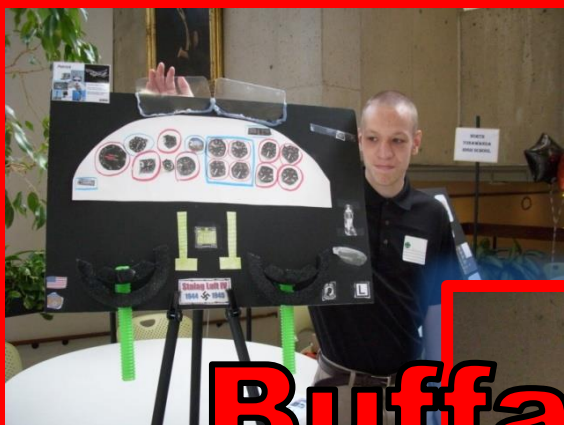


CS4HS Student Showcase and Competition

Field Trips



CS4HS at Buffalo State College



Thank you

**for being polite and for taking time
to learn about the AOIT!**



**Visit the AOIT display in the cafeteria for additional
information about your future in computing.**

See you next year at the high school!