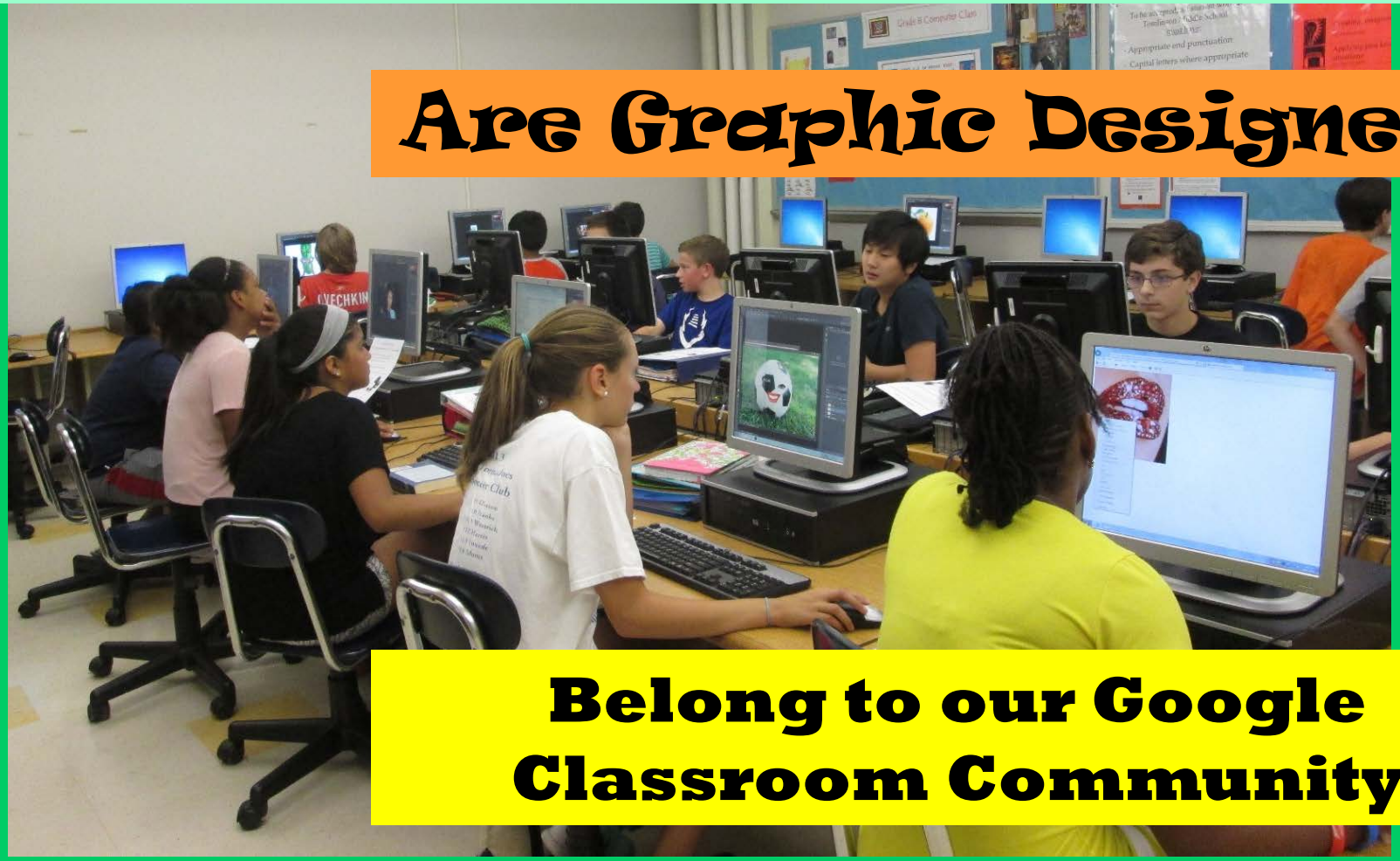
Computers

Teacher:
Mrs. Wilson

Class:
Computer Coding and Graphics

Students...

ARE COMPUTER PROGRAMMERS



Are Graphic Designers

Belong to our Google Classroom Community

Students…

Learn about Computer Programming

What does computer programming do?

- Nurtures creativity
- Solves problems
- Teaches the computer to perform certain tasks
- Follows instructions
- And …

Many Everyday Things are Programmed by Code

According to Steve Jobs:

"Everybody in this country should
learn how to program a computer…
because it teaches you to think."

According to Mark Zuckerberg:

"In 15 years we'll be teaching programming
just like reading and writing…
and wondering
why we didn't do it sooner."

Use Code to Write Computer Programs

Many different codes or

PROGRAMMING LANGUAGES:

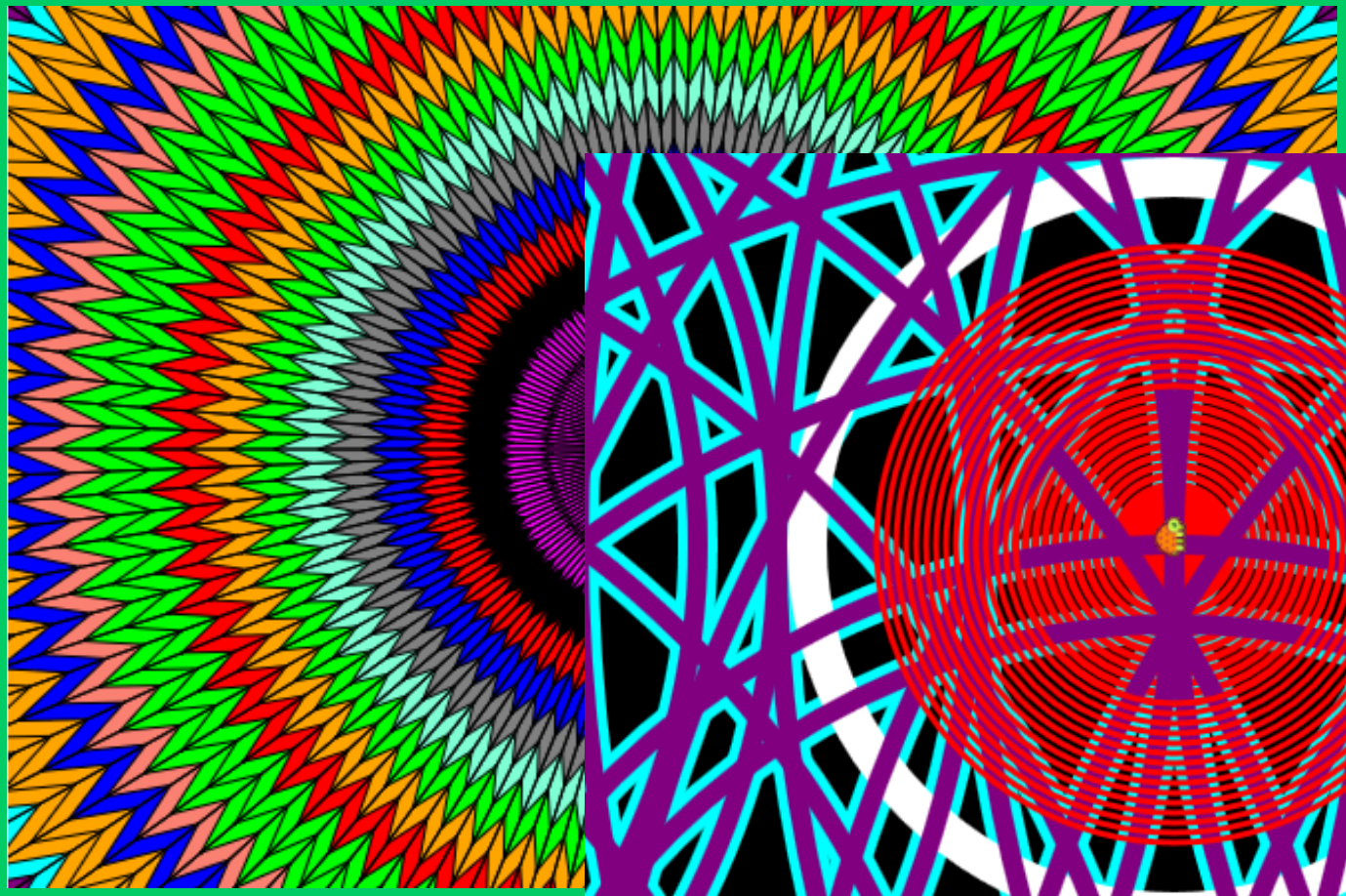
- Block
- LOGO
- Java Script

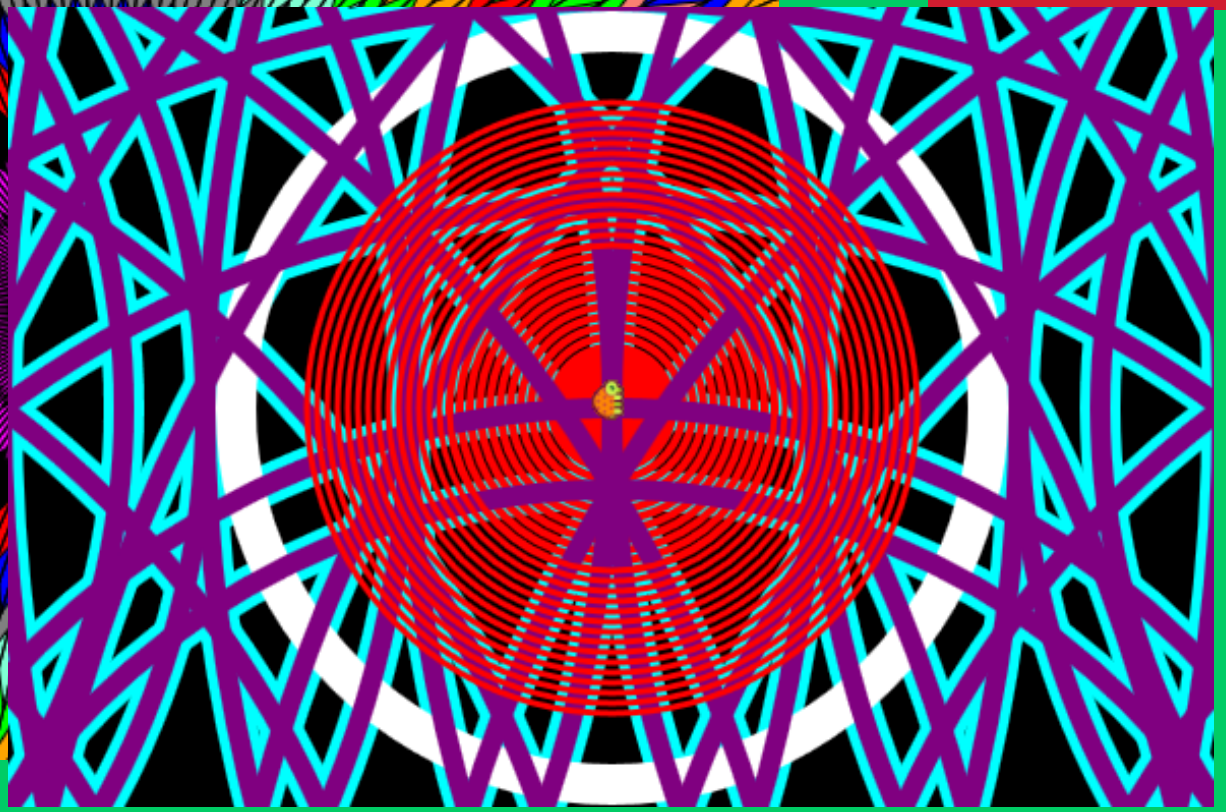
PROGRAMS Create:

- Graphics
- Games
- Animations
- Puzzles
- Websites
- And…

Write Code for Graphics

LEARN TO CODE





Some examples….

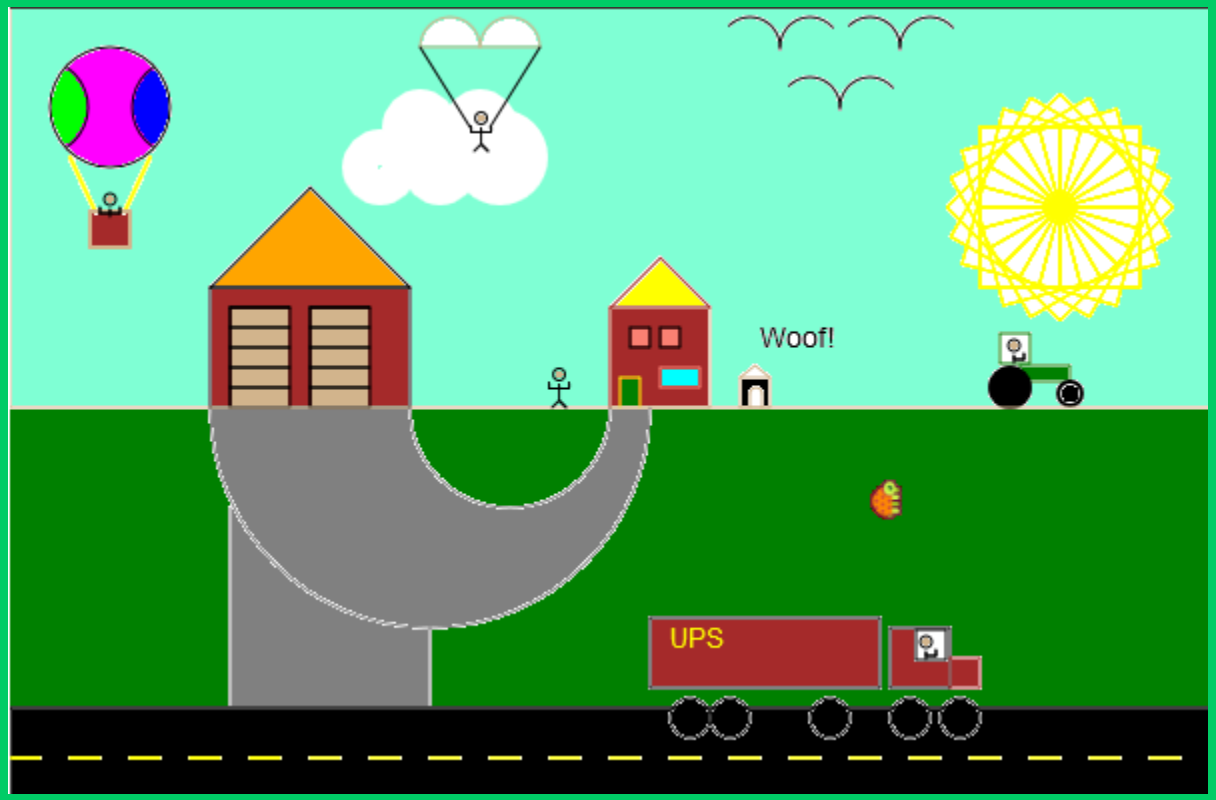
Write Code for Graphics

```
lt 90 fd 50 lt 90 fd 20 setcolor 3
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 5 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 6 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 2 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 3 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 5 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 6 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
setcolor 2 fd 20
repeat 750 [rt 90 repeat 4 [fd repcount * 3 rt 72 ] rt repcount]
```

Write Code for Graphics

LEARN TO CODE

Let's see coding a drawing in action!



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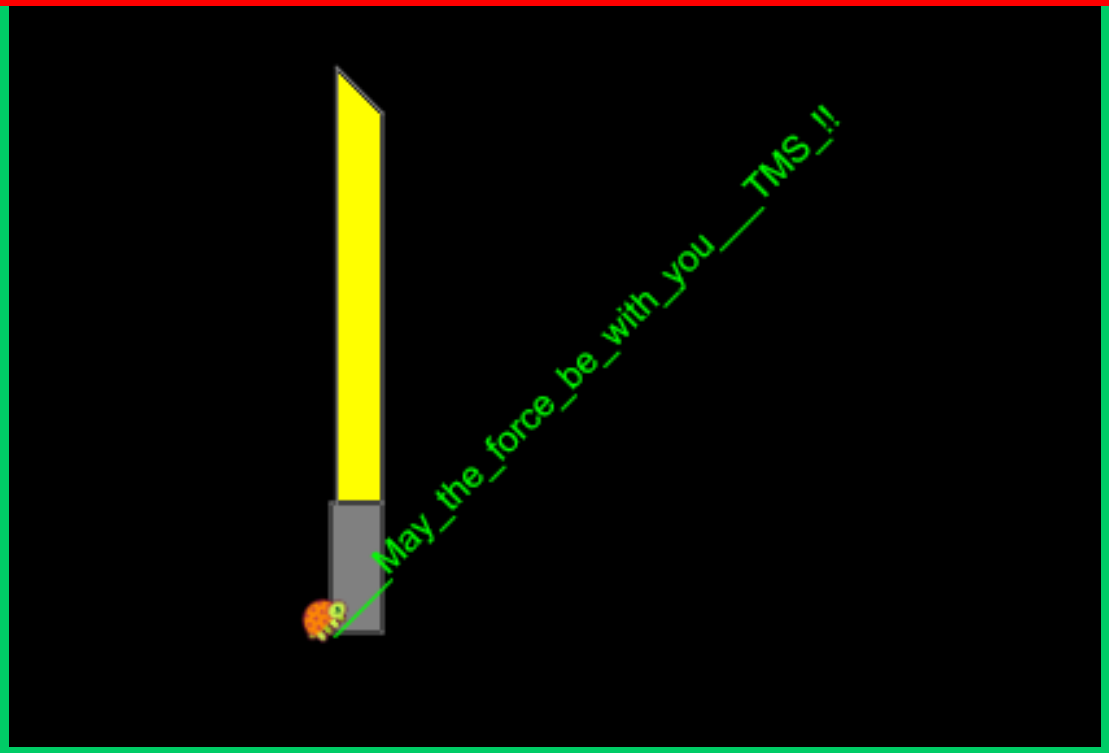
Write Code to Ask Questions

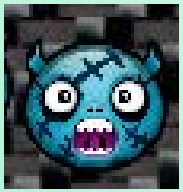
Change the Color of the Saber and see what message appears!



LEARN TO CODE

https://turtleacademy.com/view/programs/57168c74f45859536ac30204/en

Write Code for Games



- https://studio.code.org/c/201038980
- https://studio.code.org/c/201037066
- https://studio.code.org/c/201035440 *
- https://studio.code.org/c/201031005 *

- https://www.codeavengers.com/c/gkinney/persian_cat_mania
- https://www.codeavengers.com/c/ajamaitis/drews_game *
- https://www.codeavengers.com/c/cryan1/game_dev_1

Students…

Create and transform graphics

Share and publish in print or on the web

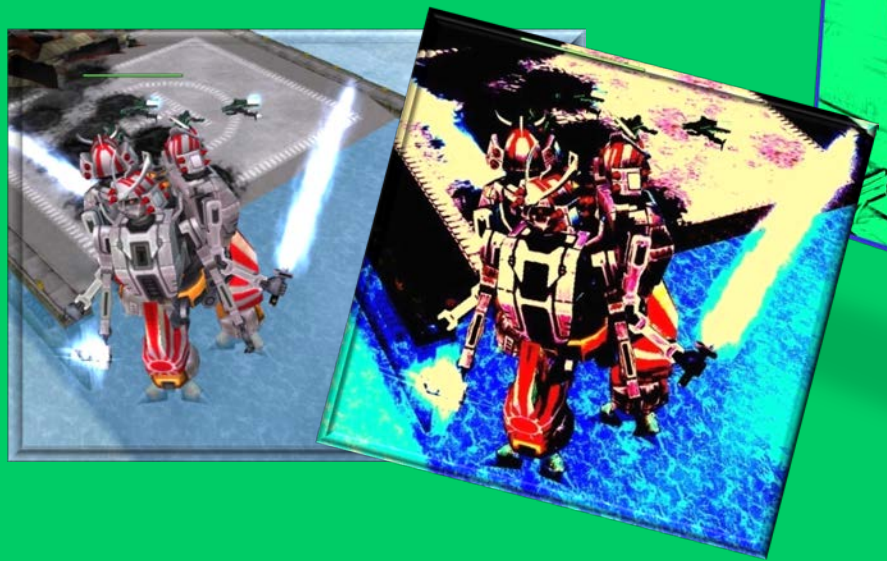
Use tools such as:

- Photo editing websites
- Adobe PhotoShop
- Audacity –audio editing
- Microsoft Movie Maker –video-editing

Some examples….

Transform Pictures

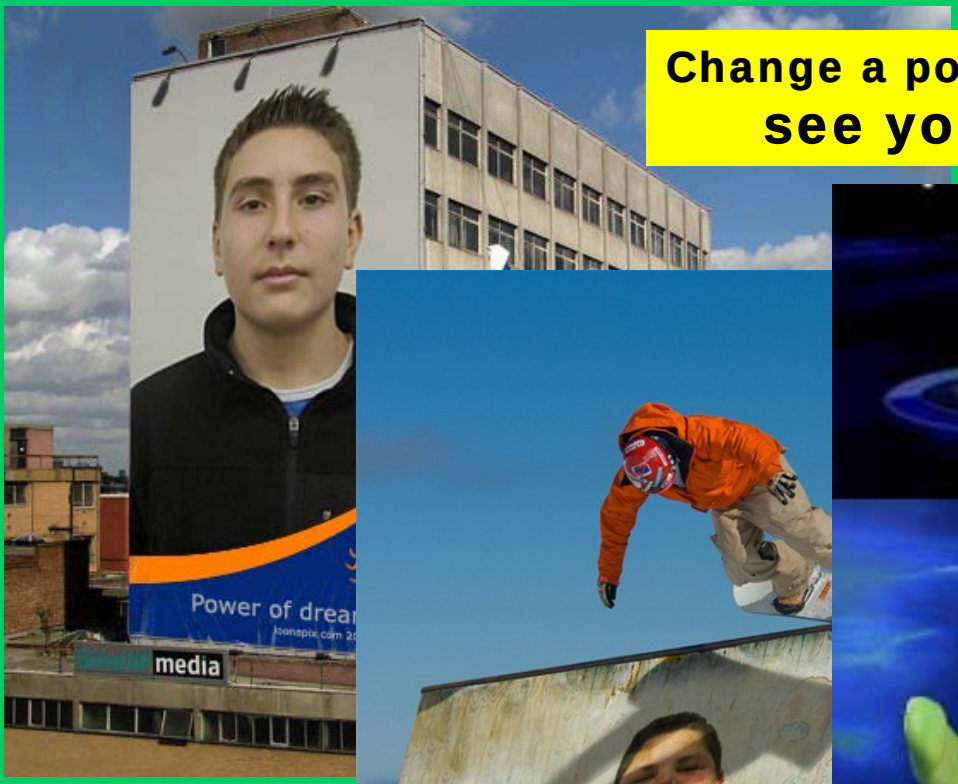
With this capability it is possible to change how people look, apply effects and morph pictures into something new!

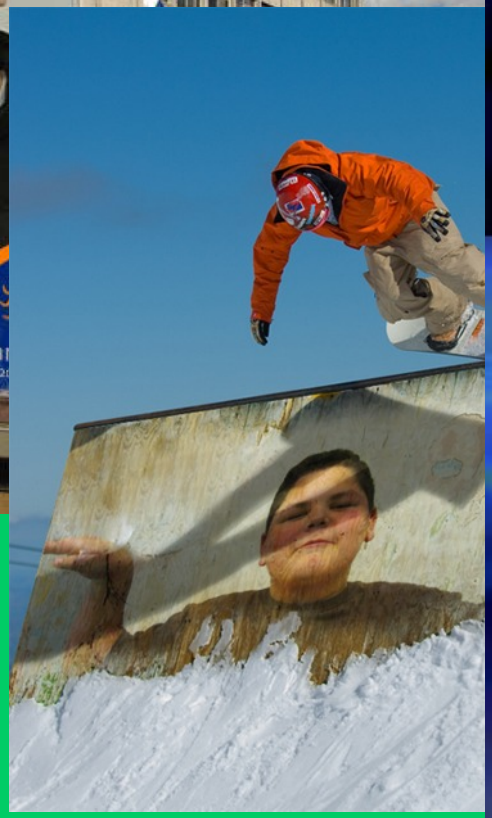


Special Effects

Web-based photo-editing tools

Change a portion of a photograph and ....
see yourself all over the place!





Can You Believe Everything You See?

Cloning

Photo-editing technique to modify images

Selection Techniques and Layers

Dive right In!

New cover girls for Vogue?

Adobe PhotoShop

Real or Fake?

BFFs?

UFO

Mix it all UP!

Real or Fake?

UFO

Real or Fake?

Real or Fake?

News-Breaking Stories

Real or Fake?

Students…

Share their multimedia files, programs and video games with others

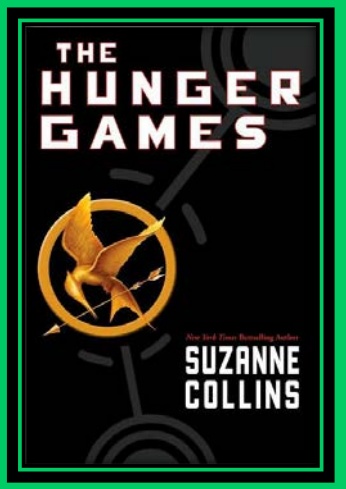
Use creativity

Choose topics that interest them

TV shows

Video Games

Sports

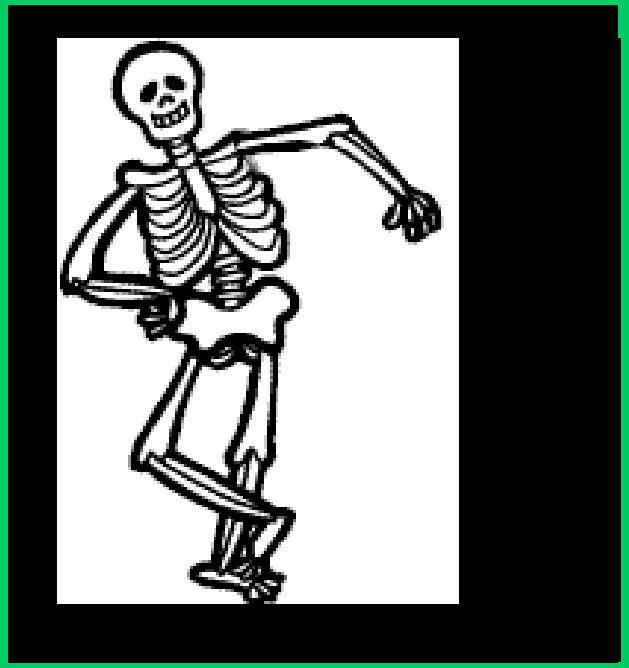


Favorite Authors

In 8th Grade

COMPUTER CLASS!

See YOU next year!



BYE!