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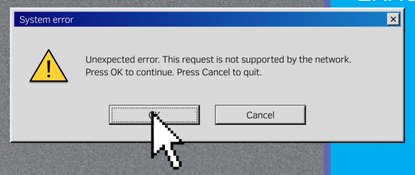
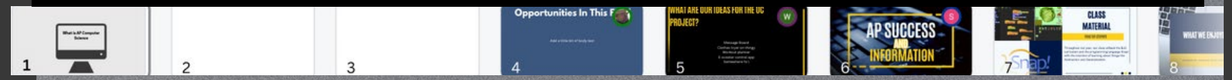
MONDAY SEPTEMBER 9 | 06:20 PM

# What is AP Computer Science




ERROR SYSTEM_32

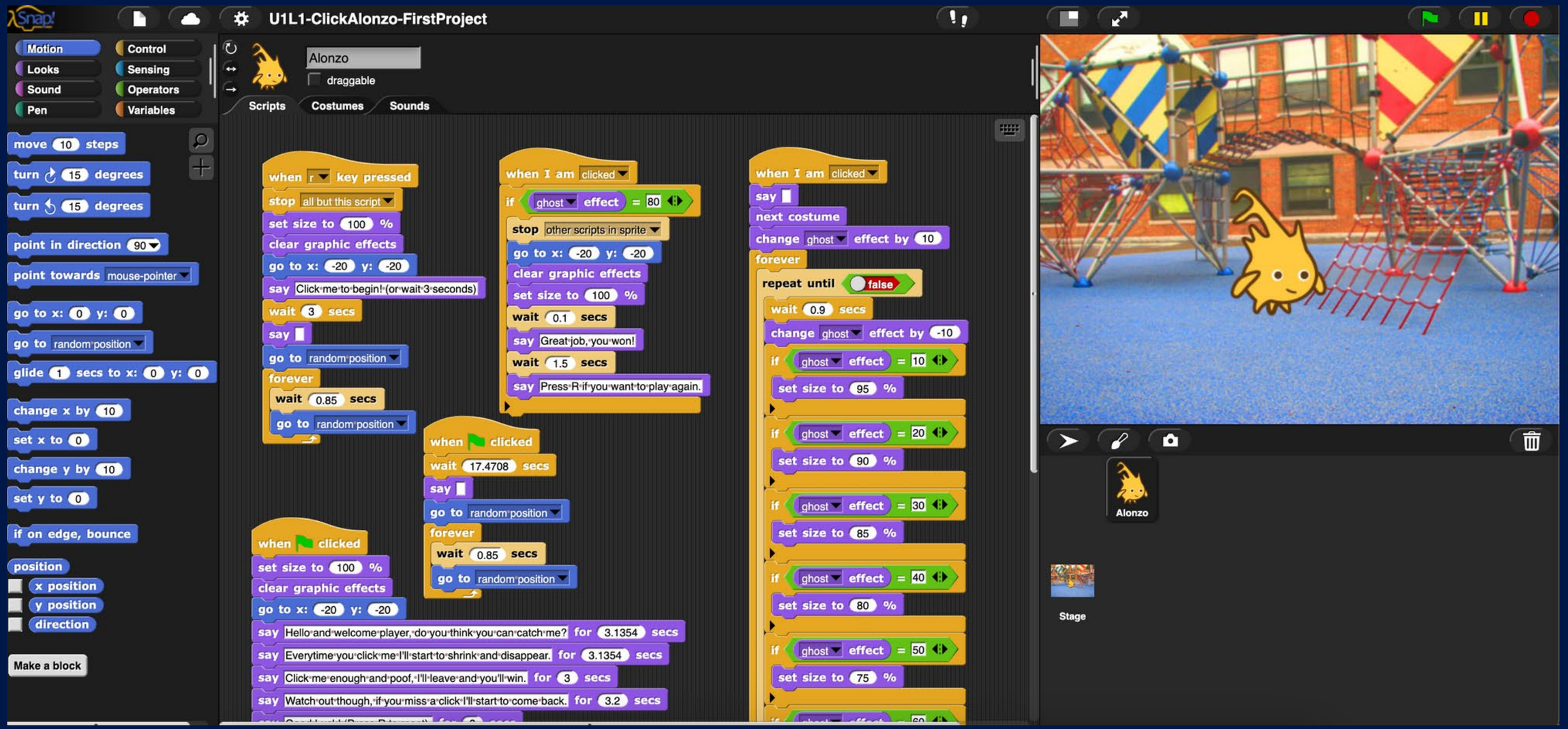
and info about it



# THE BIG IDEAS OF THIS C

The big ideas of this class are;
Creative Development, Data, Algorithms,
Programming,
Computer Systems,
Networks,
and the Impacts of Computer

These teach things like creative reasoning and problem solving. In this class we mainly focus block coding, spcifically on a website called snap that looks like this:

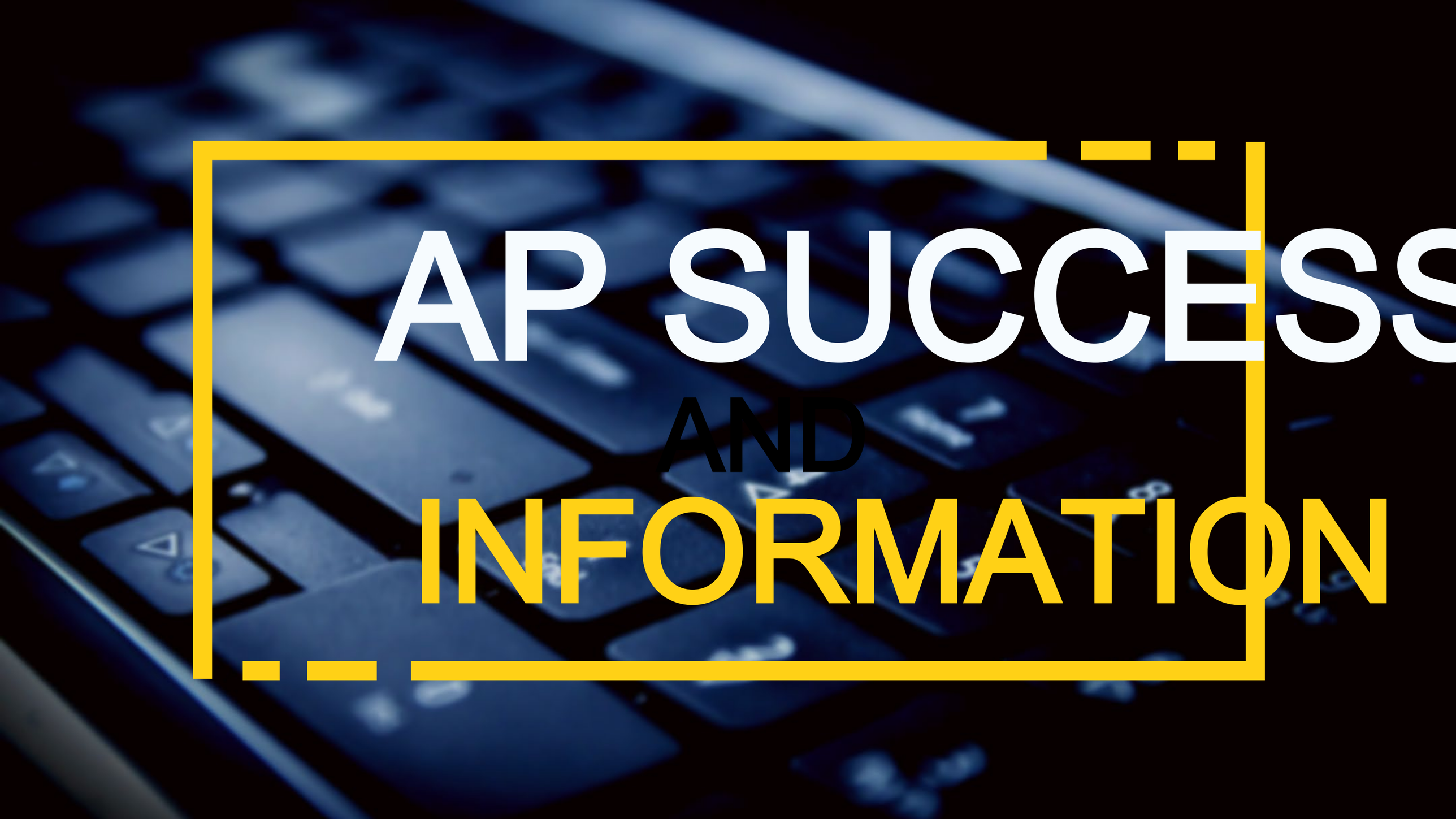

Snap!
U1L1-ClickAlonzo-FirstProject
Motion
Control
Looks
Sensing
Sound
Operators
Pen
Variables
move 10 steps
turn 15 degrees
turn 15 degrees
point in direction 90
point towards mouse-pointer
go to x: 0 y: 0
go to random position
glide 1 secs to x: 0 y: 0
change x by 10
set x to 0
change y by 10
set y to 0
if on edge, bounce
position
x position
y position
direction
Make a block
Alonzo
draggable
Scripts
Costumes
Sounds
when r key pressed
stop all but this script
set size to 100 %
clear graphic effects
go to x: -20 y: -20
say Click me to begin! (or wait 3 seconds)
wait 3 secs
say
go to random position
forever
wait 0.85 secs
go to random position
when I am clicked
if ghost effect = 80
stop other scripts in sprite
go to x: -20 y: -20
clear graphic effects
set size to 100 %
wait 0.1 secs
say Great job, you won!
wait 1.5 secs
say Press R if you want to play again.
when clicked
wait 17.4708 secs
say
go to random position
forever
wait 0.85 secs
go to random position
when clicked
set size to 100 %
clear graphic effects
go to x: -20 y: -20
say Hello and welcome player, do you think you can catch me? for 3.1354 secs
say Everytime you click me I'll start to shrink and disappear. for 3.1354 secs
say Click me enough and poof, I'll leave and you'll win. for 3 secs
say Watch out though, if you miss a click I'll start to come back. for 3.2 secs
when I am clicked
say
next costume
change ghost effect by 10
forever
repeat until false
wait 0.9 secs
change ghost effect by -10
if ghost effect = 10
set size to 95 %
if ghost effect = 20
set size to 90 %
if ghost effect = 30
set size to 85 %
if ghost effect = 40
set size to 80 %
if ghost effect = 50
set size to 75 %
Alonzo
Stage

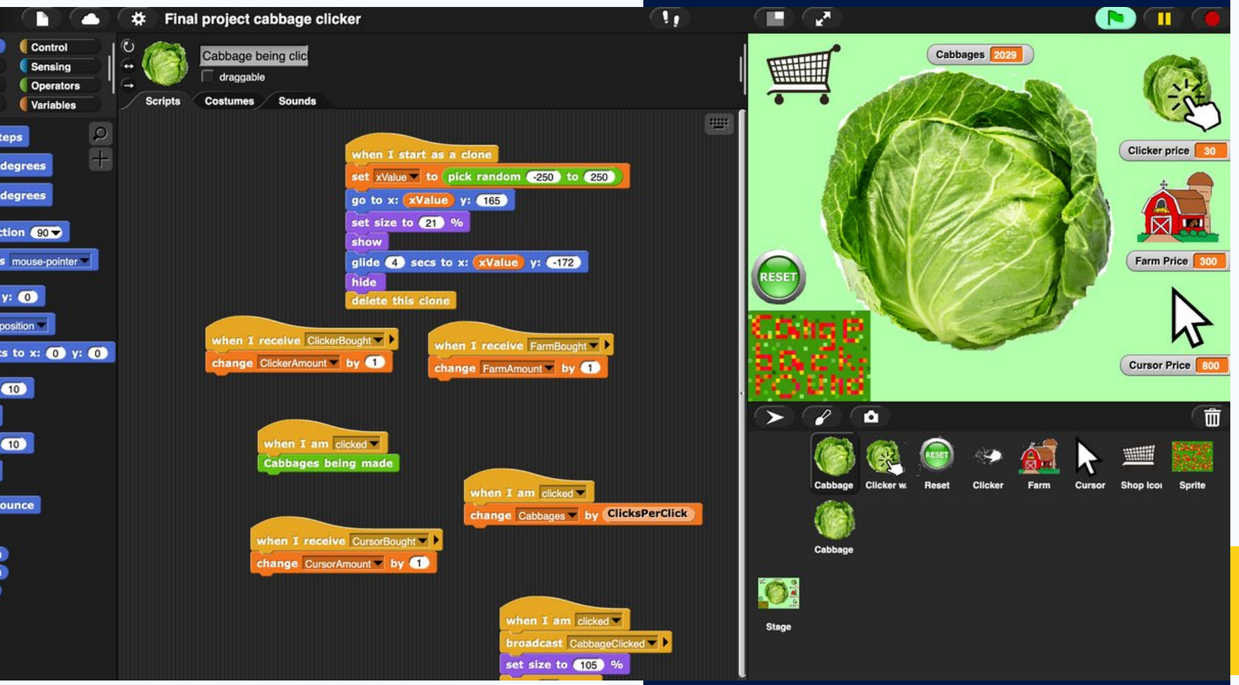
# WHAT ARE THE OPPORT

This class is a special class for anyone in high school but is especially cool for us 8th graders because we are getting college credit (the exam rules apply) and we get 3 hours of credit for IT at UC.

# WHAT ARE OUR IDEAS FOR THE PROJECT?

1. School questionnaire app
2. Accurate simulation to try on clothes
3. Sport Coacher/ Workout Goals
4. E-scooter control app
5. An app for gamers to meet other gamers
6. AI room organizer

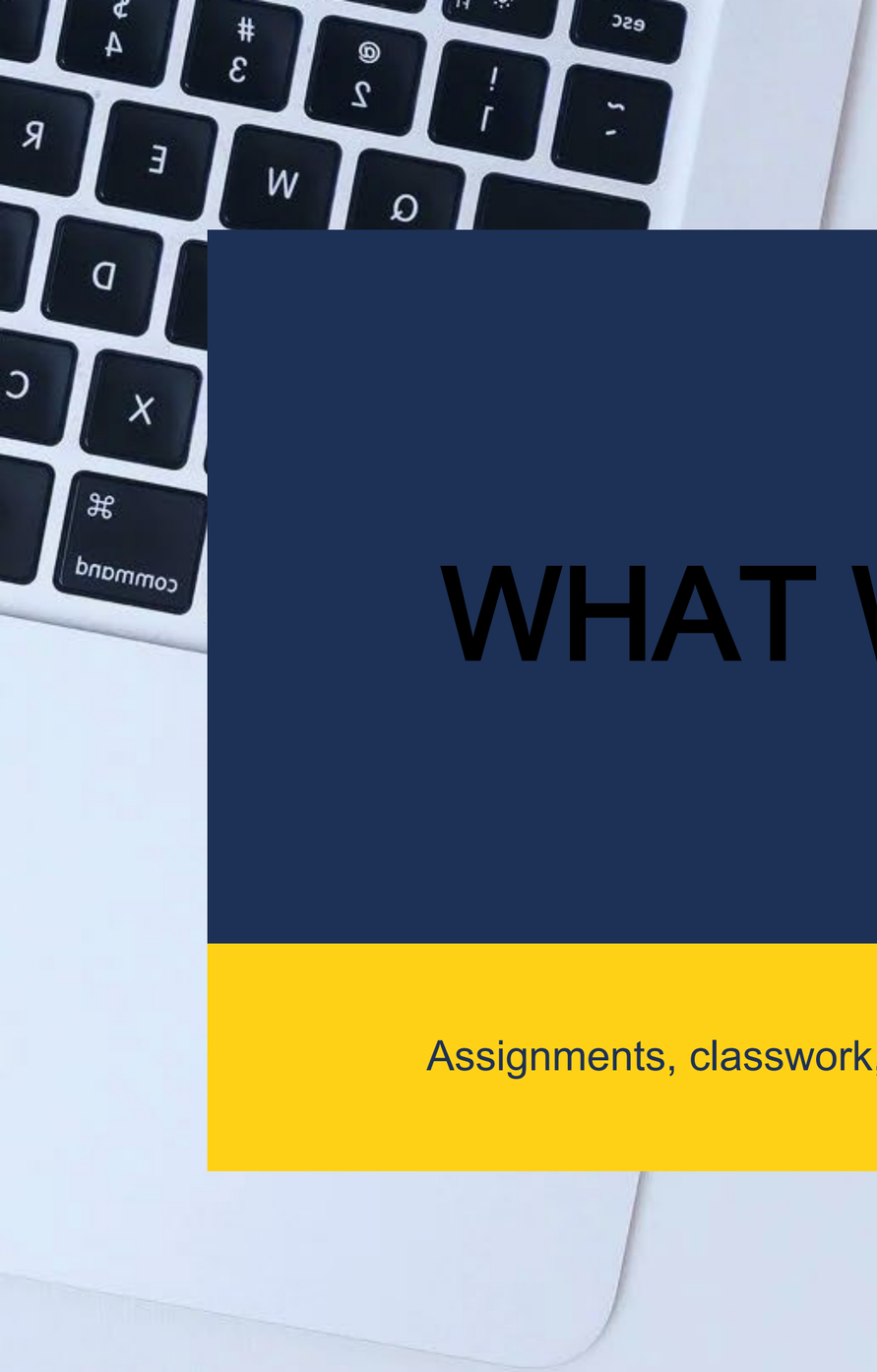

AP SUCCESS
AND
INFORMATION




# CLASS MATERIAL

## WHAT WE COVERED

Throughout our year, our class utilized the BJC curriculum and the programming language Snap! with the intention of learning about things like Abstraction and Generalization.



# WHAT WE ENJOYED

Assignments, classwork, group work, etc.

## Projects:

We enjoyed coding in Snap! typically when the projects required us to use our heads, they could be tough but it was never too difficult to work with.

## Group Work:

Group work was generally the most favored activity we did in the class, it’s safe to say they worked out majority of the time.

# CLASS BENEFITS

There’s a number of benefits to be gained from taking this class.

**CREDITS**

**COURSE**

- We value the opportunity credits give us pretty highly, and therefore we also value the chance to get said credit
- After Computer Science Principles, you can take new classes down the same path, such as dual credits. These are good chances to get some knowledge if you intend to pursue I.T. in the future

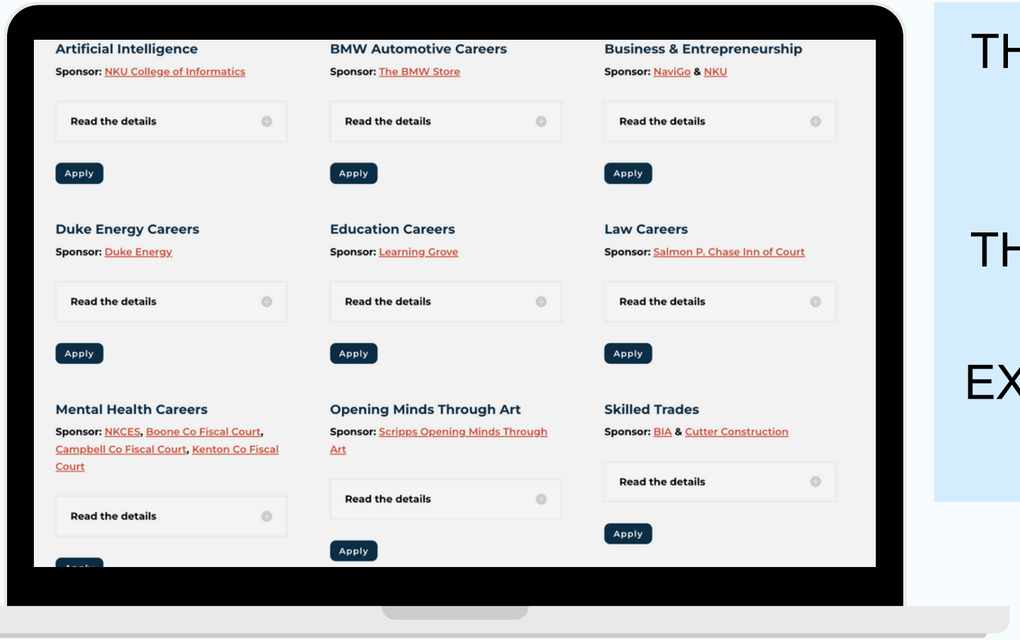
IMPORTANT ADDITION

# NAVIGO SCHOLARS

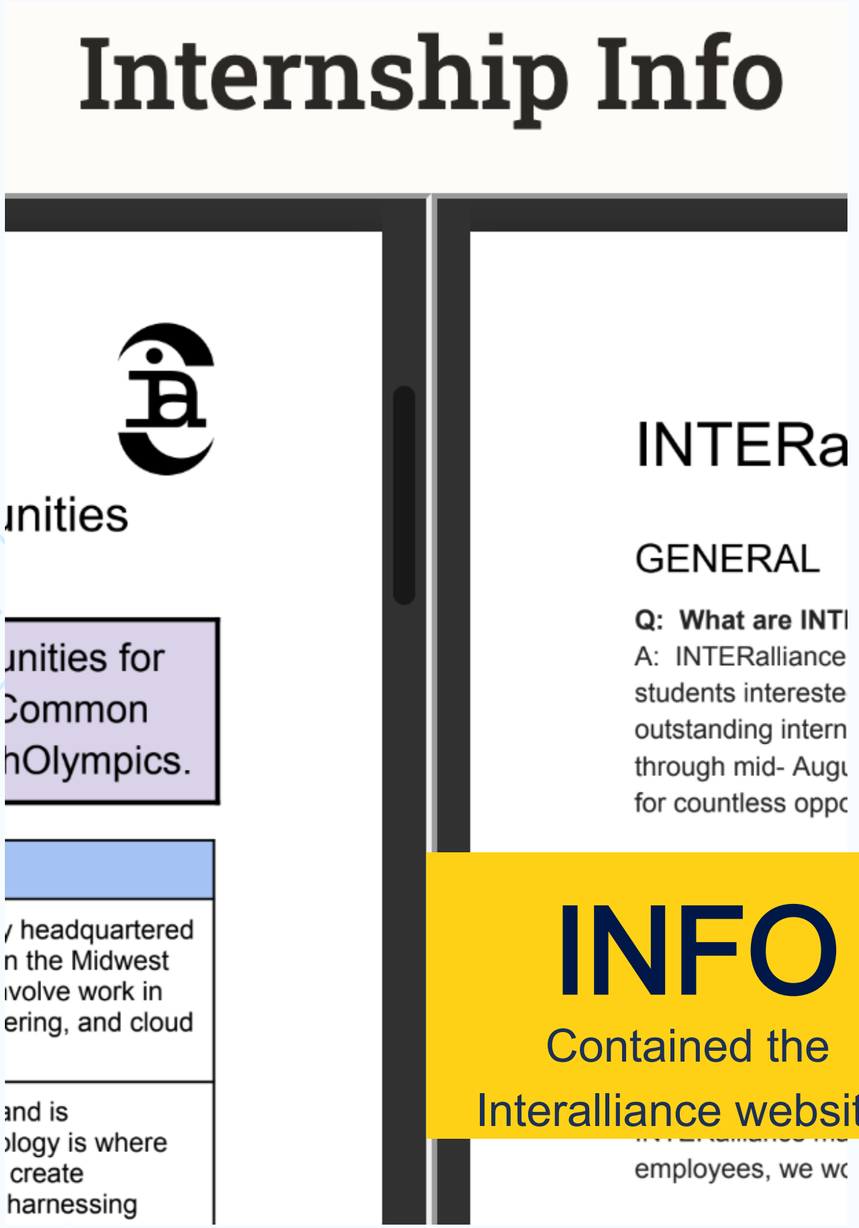
## NAVIGO

NAVIGO IS AN OPPORTUNITY FOR MENTORSHIPS THAT STUDENTS CAN/WILL TYPICALLY TAKE FOR BUSINESS EXPERIENCE. NOT ONLY CAN UPPERCLASSMEN BUT FRESHMAN CAN DO THIS AS WELL.

NaviGo
College and Career Prep Services




THERE ARE MANY TO CHOOSE FROM, AND THEREFORE ALSO MANY EXPERIENCES FOR YOU TO GAIN




INTERalliance

Interalliance is an organization that supports juniors and seniors by helping them get I.T. specific internships at places that can provide valuable results they may want in exchange for $15+ an hour depending on where they're working.

**INFO**

Contained the Interalliance website

**VISIT**

interalliance.org

For more information

2024 8TH GRADE PASSRATE
(28 STUDENTS)

# 60.7% RECIEVED A 3/4/5
# KY STATE AVERAGE 57.5%

# WE, AS WELL, RECIEVED A 3, 3, AND A 4.

# Questions

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THANK YOU