

AP-CSA NEWSLETTER

By: Mrs. Shah

Dear Parents

I am very happy to have your scholar in my AP-CSA class. In this class, our scholar will be familiar with the concepts and tools of Java programming language. He / She will have hands-on work to design, write, and test computer programs that solve human problems.



Your interest in what your child is learning is critical and Edhesive makes it easy and fun. I will be using multiple platforms in order to bring many interactive learning platforms for your scholars.

Inside the Issue

STUDYING TIPS

Encourage your scholar to complete all of the assignments on time and review classwork, read lesson summary on Edhesive, and review vocabulary words 5 times a week.

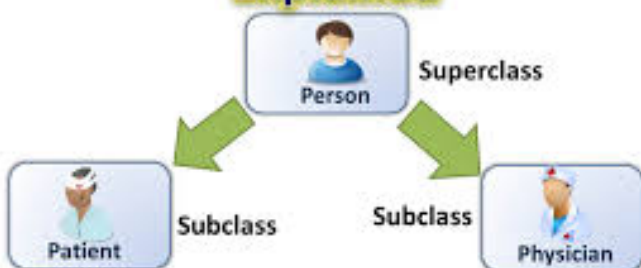
COLLEGE BOARD

We will be doing college board assignments weekly. I will be assigning them videos on the college board platform. It is my expectation that they watch daily videos.

COME TO THE CLASS PREPARED

It is important that students join the class on time in order to receive all of the instructions in synchronous manner

Object Oriented Programming Explained



CONTINUED TO P. 04





AP COMPUTER SCIENCE

The AP Computer Science A course explores problem solving, hardware, algorithms, and the ways in which people utilize computers effectively to address real-world problems.

In order to understand the material, students should be comfortable with basic algebra.

Students will become familiar with “problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing.”

Computer science is a rapidly changing field, students should ensure that they prepare for the test with the most current materials available

IN OCTOBER, WE WILL COVER:

- Unit 2: Using Objects
- Lesson 1: Strings and Class Types
- Escape Characters and String Concatenation
- Lesson 3: String Functions
- Unit 2: Lesson 4: Classes and Objects
- Lesson 5: Using Constructors
- Unit 2: Lesson 6: Using Methods
- Lesson 7: Wrapper Classes
- Unit 2: Lesson 8: Math Functions

| Class | vs. | Object |
|---|-----|---|
| <ul style="list-style-type: none"> ■ Specifies the structure (the number and types) of its objects' attributes — the same for all of its objects ■ Specifies the possible behaviors | | <ul style="list-style-type: none"> ■ Holds specific values of attributes; these values can change while the program is running ■ Behaves appropriately when |