La Porte High School AP Computer Science Principles Outreach Learning
27 April – 4 May 2020

AP Computer Science Principles Week of 27 April – 4 May 2020

| Teacher/Team:
If there are any questions, please feel free to email me/us at:
(*Email Address of the Teacher*

Link to TEAMS Folder
Previous Lessons:

Link to: (*Resources*). | cornettj@lpisd.org

AP Computer Science Principles

Codehs.com |

Objectives

Objective / I Can:

In this lesson, students will learn about superclasses and subclasses. A superclass is a parent class that contains common attributes and behaviors used by subclasses (children). Subclasses can draw upon the existing attributes and behaviors of the superclass without repeating these in the code. This lesson corresponds with AP Computer Science A topic 9.1.

Objective

Students will be able to:

- Create an inheritance relationship from a subclass to the superclass

In this lesson, students will write constructors for subclasses. The superclass constructor can be called from the first line of a subclass constructor by using the keyword super and passing appropriate parameters. This lesson corresponds with AP Computer Science A topic 9.2.

Objective

Students will be able to:

- Write constructors for subclasses

Activities

Student Activities: (Resources, videos for students to use.)

Go to Teams Folder. Look for the assignment:

1. 8.3.1 2D Array Quiz
2. 9.1.1 Inheritance
3. 9.1.2 Quiz: Subclasses and Superclasses
4. 9.1.3 Person Superclass
5. 9.1.4 Vehicle Superclass
6. 9.1.5 High School Student
7. 9.1.6 Person / Student Object
8. 9.1.7 Books
9. 9.1.8 Computers
10. 9.1.9 More Animals!
11. 9.2.1 Writing Constructors for Subclasses
12. 9.2.2 Quiz: Writing Constructors for Subclasses
13. 9.2.3 Student Subclass
14. 9.2.4 Shape Class
15. 9.2.5 Implicit Call to Super
16. 9.2.6 Students
17. 9.2.7 Instruments
18. 9.2.8 Foods
19. 9.2.9 Clothing Store

Academic/Instructional Support

Schedule:	Teacher Support - TEAMS
	Office Hours: 8 – 12
	Email: cornettj@lpisd.org
Office Hours	

To Be Graded

Assignment for students to submit to TEAMS Folder:

- 8.3.1 2D Array Quiz
- 9.1.2 Quiz: Subclasses and Superclasses
- 9.1.5 High School Student
- 9.1.6 Person / Student Object
- 9.1.7 Books
- 9.1.8 Computers
- 9.1.9 More Animals!

- 9.2.2 Quiz: Writing Constructors for Subclasses
- 9.2.6 Students
- 9.2.7 Instruments
- 9.2.8 Foods
- 9.2.9 Clothing Store

When is it due? 4 May 2020

- 8.3.1 2D Array Quiz
- 9.1.2 Quiz: Subclasses and Superclasses
- 9.1.5 High School Student
- 9.1.6 Person / Student Object
- 9.1.7 Books
- 9.1.8 Computers
- 9.1.9 More Animals!
- 9.2.2 Quiz: Writing Constructors for Subclasses
- 9.2.6 Students
- 9.2.7 Instruments
- 9.2.8 Foods
- 9.2.9 Clothing Store

How will it be submitted?

Electronically, except by individual arrangement.