CS DISCOVERY (BASIC APP DEVELOPMENT)

General Information

Description

This course will begin with introduction to programming and app design with a heavy focus on important skills like debugging, pair programming, and user testing. Learn how to design user interfaces and write event-driven programs in App Lab and then design a project about a topic of student's choosing. Then students explore how variables, conditionals, and functions allow for the design of increasingly complex apps. Learn how to program with these three new concepts through a sequence of collaborative activities. Then build their own decision maker app to share with friends and help them make a decision.

Expectations and Goals

- Knowledge of the collaboration in pair programming

- Knowledge of the range of program function and purpose

- Understanding in using program design and development

- Confident in identifying and correcting errors

Sample Curriculum

Concept Chunk	Topic
Intro to Apps	Introduction to Apps
	Introduction to Design Mode
	Project - Designing an App Part 1
	Project - Designing an App Part 2
	The Need for Programming Languages
	Intro to Programming
	Debugging
	Project - Designing an App Part 3
	Project - Designing an App Part 4
	Project - Designing an App Part 5
	Project Assessment
Variables	Variables Explore
	Variables Investigate

	Variables Practice
	Variables Make
Conditionals	Conditionals Explore
	Conditionals Investigate
	Conditionals Practice
	Conditional Make
Functions	Functions Explore / Investigate
	Functions Practice
	Functions Make
Project	Project - Decision Maker App Part 1
	Project - Decision Maker App Part 2
	Project - Decision Maker App Part 3
Assessment (Judging Rubric)	Project Presentation and grading the project

Note: this outline and schedule are subject to modification without prior notice.

Perfect for 12-15 years old

Schedule

Class Start	Day	Time	Max.Student/Class
4th Sept 2021	Every Saturday	10:00 am - 11:00am	12
4th Sept 2021	Every Saturday	2:00pm - 3:00 pm	12

Course Duration: 7 weeks

The Class is limited to 12 students or less, enroll now to secure your seat.

Call us now:

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