

Course Information

Course Name: Introduction to Computing

Description: This course provides a foundation for understanding computers, the Internet and coding.

Available Date: June 1, 2020

Ages: Students 6 to 8 Years with no prior coding experience.

Pricing: Monthly Course Fee \$99.00 for 1 x 60 minute classes per week or 2 x 60 minute classes per week for \$178.00

Billing: You will be billed 30 days after your first billing.

Additional Materials: No Purchase Necessary

Instructor/Student Ratio: 1 to 6 maximum. Typically 1:4.

Course Description

As the application of computer science is integrated into more aspects of our children's lives, it is important they understand the fundamentals. How do computers work? What is coding? How do software and hardware integrate? The course engages students by allowing them to discover the power of computer science through rewarding yet challenging concepts, including learning to code.

The main goals of this introductory computer science course is to build a strong foundation to prepare students to advance to our PythonPlus course.

Foundational topics include: Computer Programs, Computer Memory, Programming Languages, Inputs, Sources, Sensors, Color Detection, Time, Logic , Flow Charts, Counting, Sorting, , Repetition, Comparison, Variables, Idle, Conditional Statements, Break Loop, Infinite Loop, String Text, Programming Loops, Return Value, Type Conversion, Artificial Intelligence,

Young learners are introduced to these topics through the use of short form videos that we have developed that take complex coding and technology concepts and present them in an age appropriate context.

The concepts are then fully explained using worksheets and coding problems. Students code using a block interface that uses colors to differentiate among functions. This requires no previous coding experience and a second grade vocabulary.

In addition, there are program worksheets for students to take home as supplemental materials and a series of online quizzes to measure concept retention.

Finally and most importantly – It's a Blast!
Kids have fun

Introduction to Computing is a good choice if:

- You're a beginner
- You are age 6 to 8
- You want to qualify for PythonPlus but are below the age required.