PARENT SUMMARY CODE A BOT

We have a wonderful week in store for your child!

Our students will have the opportunity to build several different activities while learning how machines, programming and coding works. Most of these builds will be attempted during the camp time. How many activities completed depends on the abilities of the students. We hope to complete all builds offered in each class.

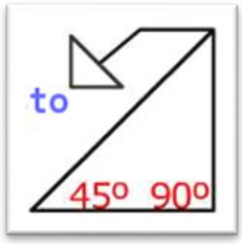
Boost Robot

We are so pleased to be able to bring Lego ® **Boost** ® to our students at Imagine That! Boost is the newest robotics kit available to our younger robotics kids. Students will build a base robot as they begin to learn the programming process. All instructions and programming are on an App called Boost by Lego. The Hub of the robot can connect to the tablet using Bluetooth. Once they comfortable moving their bots they will add a sensor that detects Color and Distance. It can also double as a light...
Next, we will expand their experience by building a Car. Adding an exterior motor and a sensor, it's up to our students to see what the car is capable of. At first, the platform will show the kids how to program specific moves, but as they build the bot students can use what they have learned and program on their own. We are so excited to get building and programing with Boost and your students. Come and join the fun!

Monster CodeSchule

Monster CodeSchule is a new coding game that we are happy to offer to our students. Learning sequences, loops and algorithms students will write code that makes Spooky the ghost move from one block to another. Spooky's job is to light lanterns along the dark path, just like the lights in the brain turn on with every correct code sequence! As we progress along the path we meet more characters, they change with every accomplished challenge. This app is slightly different than others that we have used before as it requires the student to be very accurate with commands from the very beginning. We love this new game and are sure your child will too! As with all our programming and coding apps Monster CodeSchule is free in your app store.

MSWLogo



MSWLogo: With everything they learned in CodeSchule your child will move on to actual coding languages with Logo using MSWLogo. Beginning with basic syntax your child will understand how each step is important and needs to be written correctly through their prior play with Spooky and friends. Don't you wish you were offered coding classes when you were younger?

Scratch

Students will have a great time with **Scratch**!

Scratch programming is a fun and entertaining way to learn more about the thought processes needed for clarity and precision to create productive command sequences. We know, it sounds like a mouthful! It's surprising to think that we use sequences of steps every day without even thinking about it, like, just getting out of bed!

Stop Motion

Then we are on to an introduction to Stop Motion Videos where students will create their own stop motion film. Students will need to use their Sequential Reasoning capabilities and thought processes to create their video. First, students need to lay out a plan that starts with a story-line followed by the storyboard. As students begin to set up their stage they will have to check and test all equipment for glitches! Pictures of each movement will be taken of the characters. In stop motion filming, every step must be taken in the correct order, one small movement at a time, just as a robot is programmed to move from point A to point B. These pictures are download to an app that will speed the flow of vision, creating the look of fluid movement. This helps students to gain an understanding of the concepts introduced in coding! Using logic and creativity results in all around great fun!