

## CODING FOR KIDS

 > **WHAT IS CODING?**  
Coding is the act of writing instructions for computers to make the computer perform a task. It may also be called programming. A finished set of computer instructions is called a program.

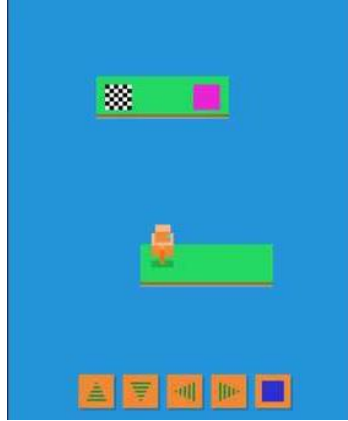
 > **WHY IS CODING IMPORTANT?**  
Every app, game and software program we use requires a coded program to work. Many of our household appliances and even our cars require a coded program to work.

 > **WHAT IS CODE?**  
For a program to work it must be written in computer language. There are different computer languages designed for different types of computer programs. A computer language converts human generated instructions into binary code - that is, strings of ones and zeros that tell a computer what to do.

 > **CODING FOR KIDS**  
Children typically begin to code using simplified, visual programming tools that allow them to build programs with pre-made blocks of code. They can then move on to learning to code with text-based programming languages that use words, numbers and symbols to create the instructions.

 > **WHY CODING FOR KIDS?**  
Coding helps kids develop problem solving skills such as perseverance, trial and error and understanding of cause and effect. They use analytical thinking and reasoning skills, and math and literacy skills. Coding challenges children to think creatively and to pursue innovative solutions.

Find 10 free coding websites for kids at [childhood101.com/coding-for-kids](http://childhood101.com/coding-for-kids)



**Just a friendly reminder:**

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**G.A.T.E. T-Shirt Orders and Payments are due NO LATER than MONDAY, SEPTEMBER 30, 2019. Cash and Check Payments are accepted. Please make checks out to "GATE VPA"**

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# PCLES G.A.T.E.

## SEPTEMBER 2019

Hafa Adai Parents! This month the students were introduced to coding with computers. They watched a couple of educational videos that explained the basic idea of what coding is and how all electronic devices use coding to perform tasks. We will continue to explore coding through websites, games, and hands-on activities.

**GATE T-Shirt order forms are attached to this letter. Please submit forms and payments NO LATER THAN MONDAY, SEPTEMBER 30, 2019.**

I will be attending a week long GATE Professional Development Training from Monday, September 16 – Friday, September 20. I have created lesson plans for that week and I am hoping that a substitute teacher will be provided. However, if none is available, students will not be pulled for services. Any services not met that week will need to be made up at a later date. Thank you for your understanding regarding this matter.

Should you have any questions, my contact information is provided in this newsletter. You can also text me through Class Dojo.

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