Chicago Public Schools

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What is programming?

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What is programming?

Email *

ephernandez4@cps.edu

1. What is the problem with a simple definition of what is programming? *

○ It doesn't mention computers

● It can be misleading due to the complexity of certain software applications

○ It's always incorrect

○ It's too lengthy

2. What is the art of programming? *

○ Playing computer games

○ Designing the look of a software application

◉ Breaking a larger idea into individual steps or instructions

○ Decoding complex machine languages

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3. With programming, we are giving _____ to the computer, then breaking apart a more complex idea, a more complex task, into _____ and then using a programming language to write those instructions. *

○ solutions; problems

○ issues; solutions

◉ directions; its smallest individual instructions

○ feedback; comprehensive strategies

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4. Computers will do exactly _____, so the instructions you give them better make sense. *

○ as they please

◉ what you ask them to

○ the opposite of what they're told

○ as their manufacturer dictates

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5. In programming languages, we write these instructions by writing what are called _____. *

○ paragraphs

○ formulas

◉ statements

○ notations

6. So programming is the ability to _____
_____. *

  ○   only work with one specific programming language

  ○   play and understand computer games

  ◉   take an idea in your head, break it apart into its individual pieces, and write those pieces in the
      chosen programming language

  ○   create hardware components for computers

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