Chicago Public Schools

Aranda, Andrew <aaranda21@cps.edu>

What is programming?

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What is programming?

Email *

aaranda21@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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