

CodeVA

CodeVA Python SOL Development

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Dissemination Space

Delivering educational resources

- CS educational resources and content openly available to all, not just students and educators
- Allows teachers to potentially submit their own material
- Collaborations between universities, public schools, and even communities possible



ZOHO Creator

AP Computer Science Principles Lessons

Creating material for online Virtual Virginia courses.

- Python labs, lessons, and homework assignments designed for use by Virtual Virginia's AP Computer Science Principles course
- Introduction to Python, programming logic, and object-oriented programming
- Fun projects, such as "Your Name in Code," to make learning Python an interactive process

Coaches' Academy Lessons

Scratch and Python lessons training teachers how to code.



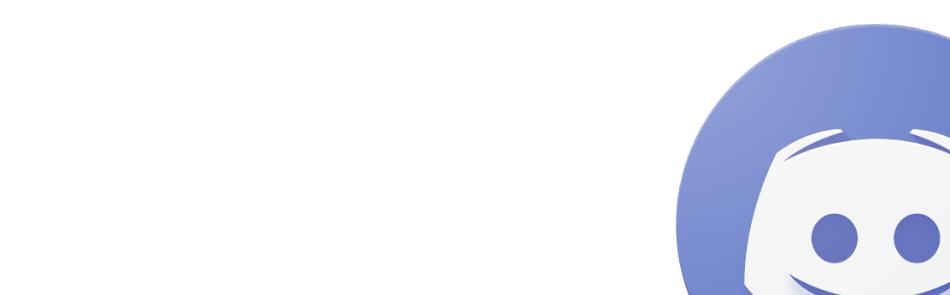
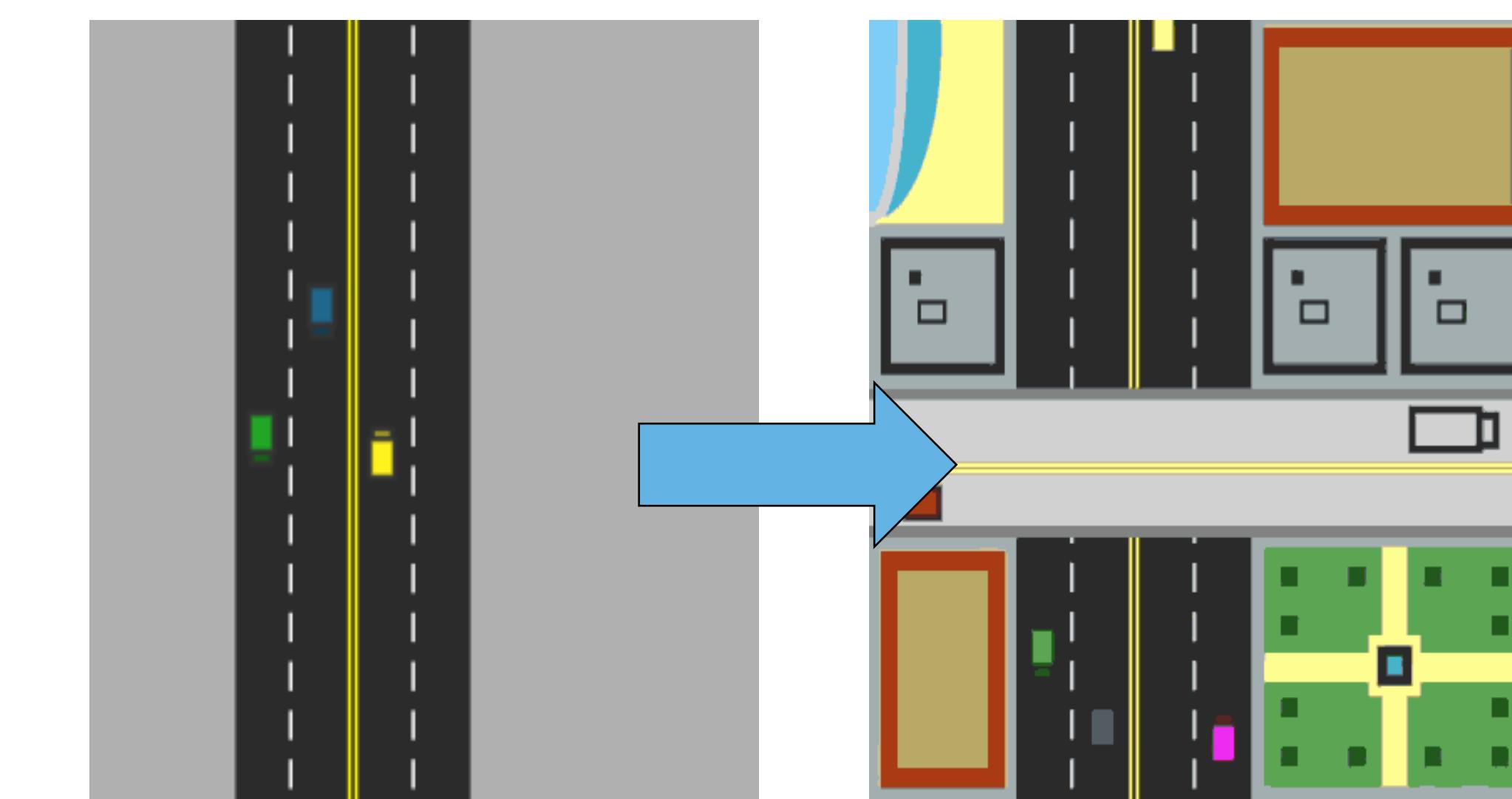
```
1 print ("Hello, World!\n")
```

- Effortlessly introduces fundamental programming concepts using both block-based and text-based languages
- Each lesson is available in both block- and text-based language, making transition from one to another seamless
- Great for educating teachers AND students
- Teachers can use lessons as a guide or as a stand-alone lesson plan
- Every lesson incorporates other subjects, i.e. math, history, science, and even art!

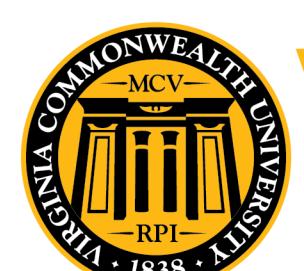
Cityscape Project

Using P5.js to familiarize students with JavaScript.

- P5.js provides a visual learning experience for text-based programming
- Incremental lessons
- Instantly renders; changes in code can be seen immediately!
- Introduction to built-in frameworks



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