

# More computational possibilities to explore

## MakeCode Arcade

*Design, program, and play your own video games on the screen or handheld device.*

1. Go to [arcade.makecode.com/](https://arcade.makecode.com/)
2. Try one of the tutorials
3. Embellish or improve the game
4. Play it on the screen or download it to a handheld game system like the Meowbit.

Go to <https://inventtolearn.com/program-your-own-gameboy/> for hardware and software resources

## MicroBlocks

*Microblocks is an ingenious live-coding block-based programming environment you should experience.*

1. Go to [microblocks.fun](https://microblocks.fun)
2. Follow the Getting Started instructions
3. MicroBlocks looks a lot like MakeCode. How is it different?
4. What are some advantages of live-coding?

You may also explore programming the micro:bit in Scratch. Go to [scratch.mit.edu/microbit](https://scratch.mit.edu/microbit) to get started.

For the ultimate learning adventure, attend  
**CONSTRUCTING MODERN KNOWLEDGE**  
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[constructingmodernknowledge.com](https://constructingmodernknowledge.com)

## Turtle Art

*Block-based Logo dialect focused on communicating geometric and computational ideas to the computer in pursuit of creating beautiful art.*

1. Turtle Art software - [playfulinvention.com/webturtleart](https://playfulinvention.com/webturtleart)
2. Visit the Turtle Art resources section of [inventtolearn.com/turtleart](https://inventtolearn.com/turtleart) for links to software, activity cards, and teaching ideas.

## Wolfram Language

*May just be the future of computing, already powering most serious scientific and mathematical research. Infinite and untapped potential. Wolfram Language powers Wolfram Alpha & Mathematica.*

1. Go to [inventtolearn.com/wolfram](https://inventtolearn.com/wolfram) for getting started tutorials, resources, videos, and links to the software.

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Continue learning long after the workshop with resources found at [inventtolearn.com/questions](https://inventtolearn.com/questions).

Email [gary@stager.org](mailto:gary@stager.org) or [sylvia@inventtolearn.com](mailto:sylvia@inventtolearn.com) to schedule school-based professional development opportunities.