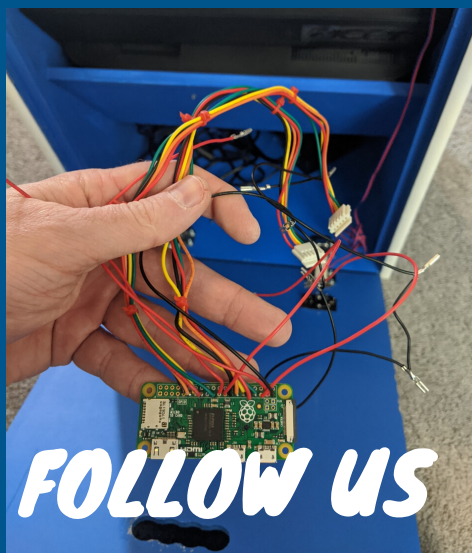
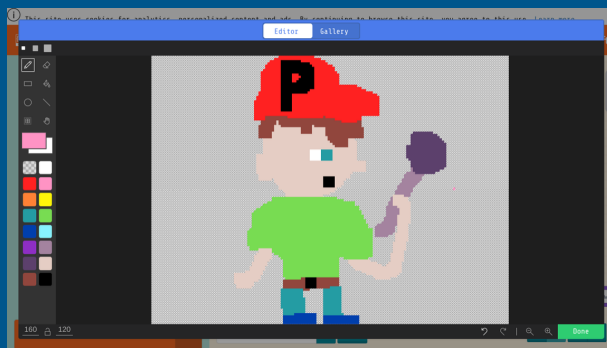


"This is the best project I've ever done." - 6th grader



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MAKECODE ARCADE BUILD

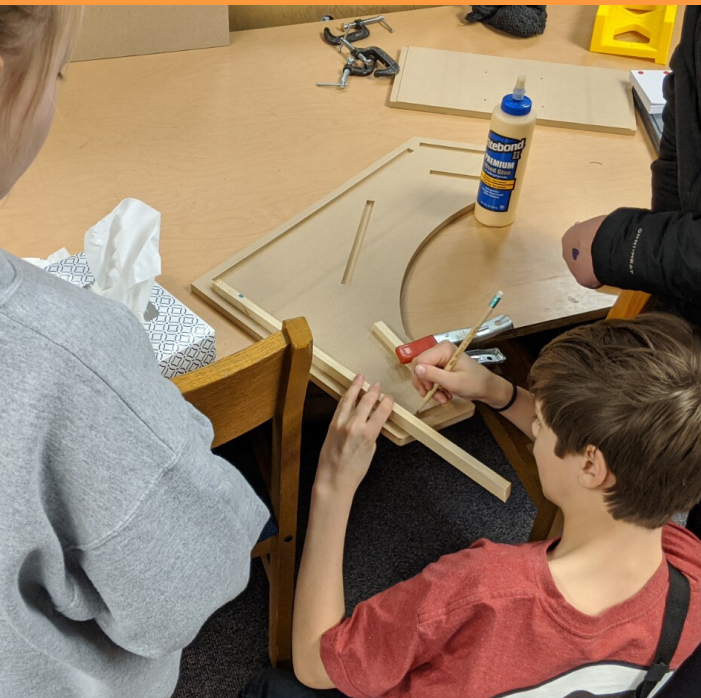
Storytelling through Video
Games



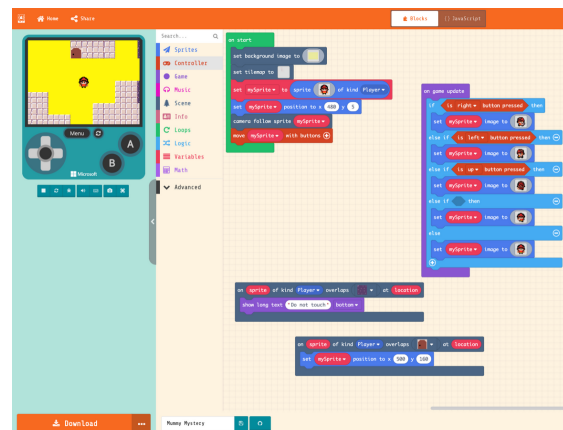
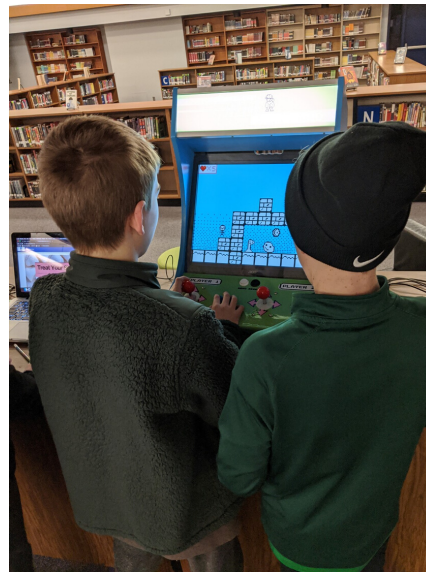
BEAVERTON
SCHOOL DISTRICT

SCOPE AND SEQUENCE

- Students researched basic game-making concepts including the aspect of story in a game. They focused on some of the more classic game story lines.
-
- Next, they worked to come up with an original design and back story for the main character of their video game. Their writing culminated in the creation of a game insert to illustrate the character's backstory.
-
- Finally, students used Makecode arcade to actually bring their games to life.



Microsoft MakeCode Arcade is a web-based beginner-friendly code editor to create retro arcade games for the web and for microcontrollers.



MORE INFO

The student-made arcades are being used to showcase the students' work. Middle schoolers had a hand in all aspects of the build process including: designing CAD models to cut on a CNC machine, gluing and fitting the wood pieces, painting, designing artwork, and wiring up controls to a Raspberry Pi loaded with the final game software.

RESOURCES

ISTE STANDARD 6A,B,C,D CREATIVE COMMUNICATOR

Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.

ENGLISH LANGUAGE ARTS AST 1.1

Conventions: I can use conventions and language to enhance my writing.

WEB RESOURCES

<https://github.com/senorlloyd/MakeCode-Arcade-Cabinet>

<https://arcade.makecode.com/>

<http://bit.ly/arcadecheatsheet>