

To:

Communication II

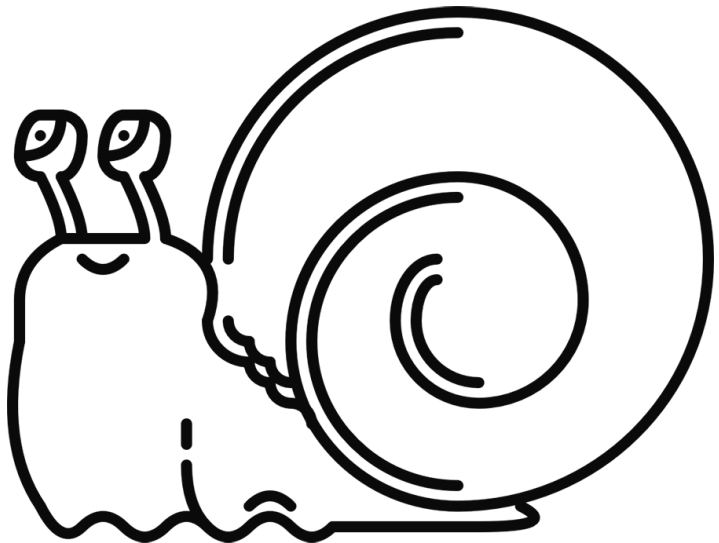
Welcome to part 2 of the theme Communication!

This issue is going to talk about language only being one component of communication, dive into digital and analogue methods of communicating with computers, and maybe even drop a hot take about memes!

If you are proud of anything you make and want to share your creations, have a parent help you post it to social media using the hashtag

#projectsnailmail

-The Snail Mail Team

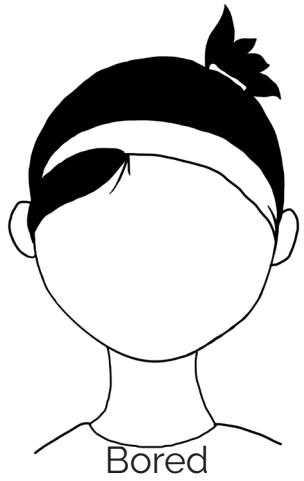
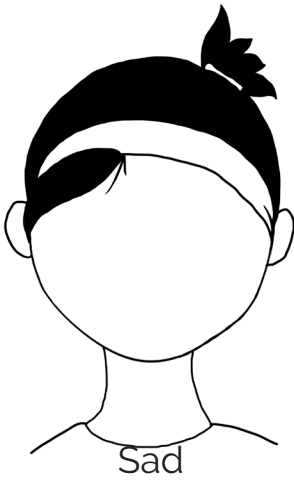
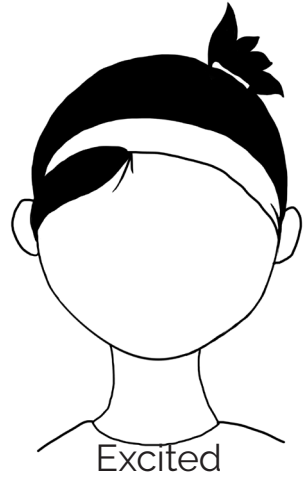
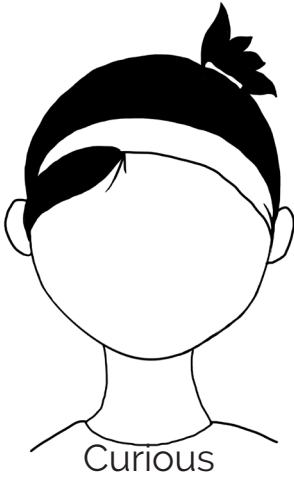
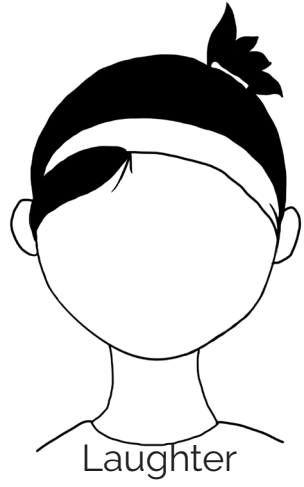
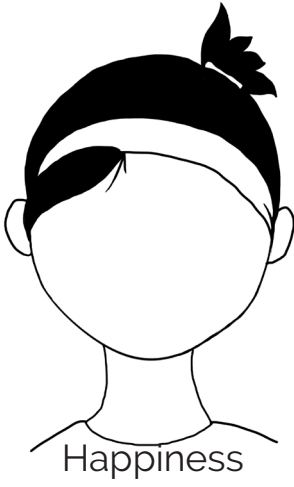


Language

A study in the 1960s by Dr. Albert Mehrabian asked people to listen to a recording of a voice saying "maybe" three different ways, then guess if the speaker was neutral, positive, or negative. They then looked at a photo of the speaker while listening and had to guess again. Unsurprisingly, participants were correct more often when they saw the photo and heard the voice! You might have had that experience if you've listened to someone speak in a language you didn't understand, but you were able to guess what was being said. For most people, communication is not only about the words, but how they're said.

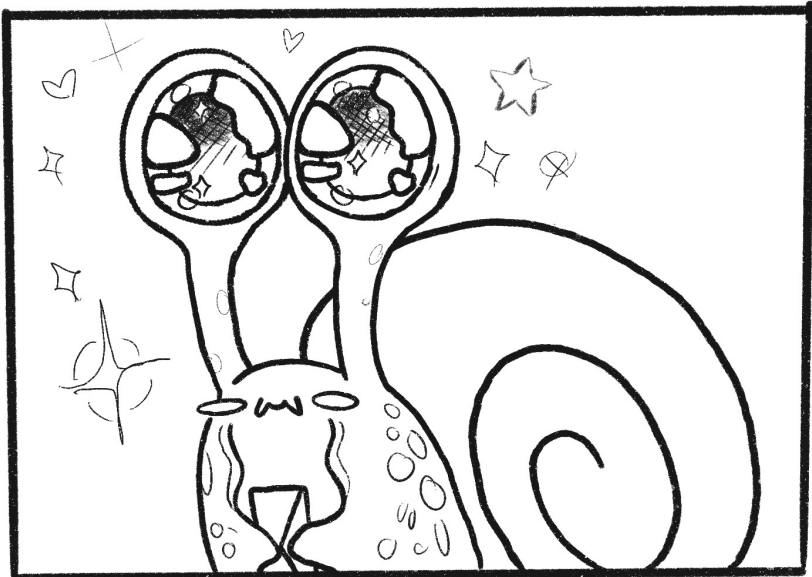
Over the past hundreds of years, communication has been happening across longer and longer distances. As that has happened, humans have found ways to make sure jokes are still funny, sarcasm is understood, and emotions feel real. What are some ways that we use technology to communicate? How do we make sure we feel heard when we can't see the person we're talking to?

On the next page, illustrate the indicated facial expression. Don't let reality constrain you though! You can be creative; maybe this person has robot goggles that display emoji to help them convey their emotion!



Memes

Folk Art is a category of art that typically communicates the culture and life of the community it was made in. Folk art often serves a common utility, like pottery to hold things, music to entertain, or murals to liven up an area. The internet has a shared culture and art to represent it: memes! Memes are a shared cultural experience that anyone can participate in! Here's a chance to try making your own memes! You can draw your own meme, make a collage from magazines or newspapers & caption them, take an opportunity to get creative! Memes are meant to be shared, so if you make one you want to go viral, be sure to share it!



ME WHEN SNAIL MAIL ARRIVES

Meme Brainstorming Page

Meme Brainstorming Page

Meme Brainstorming Page

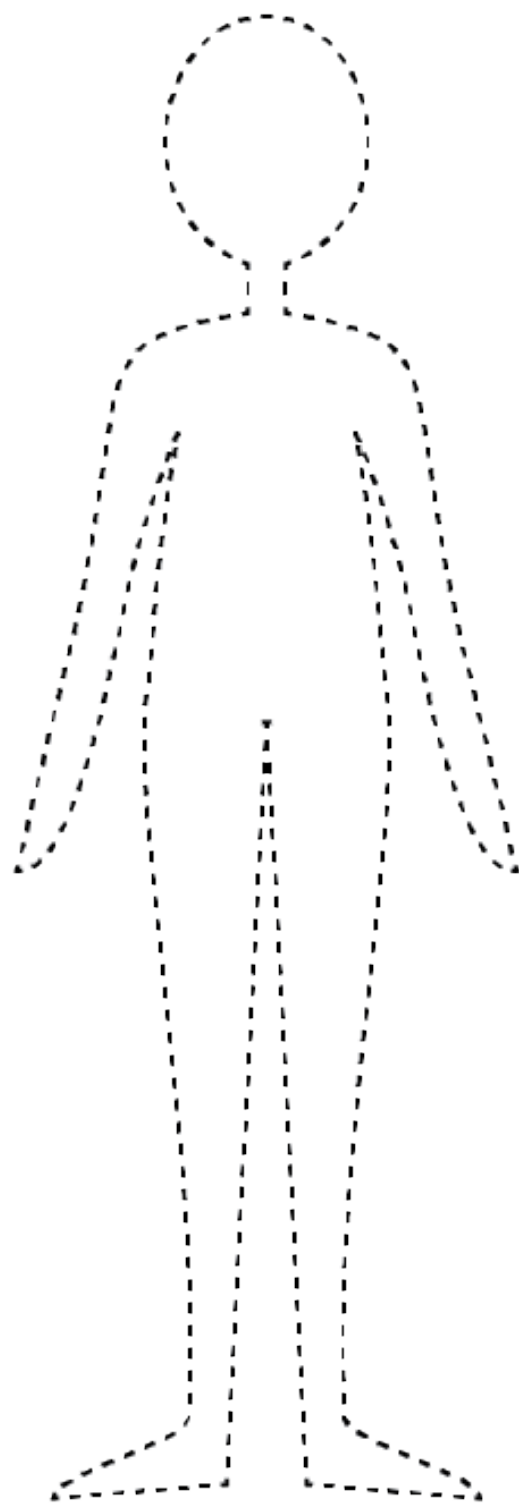
Analog vs. Digital: Measuring the Difference

What does analog or digital mean? Analog and digital refer to two different ways we can communicate with electronic devices. Analog signals are based on a continuous physical property while digital signals are more like a switch and represent 0s or 1s.

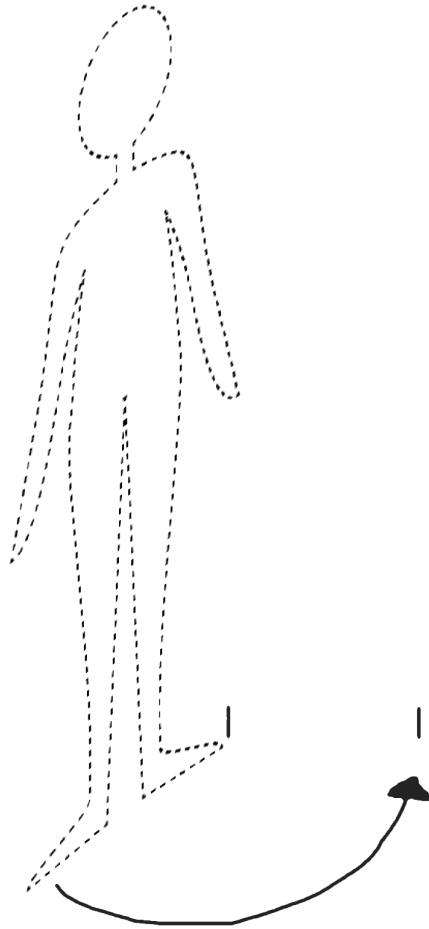
We can use both analog and digital signals to measure the same things in different ways! To explore this and highlight the differences between analog and digital methods of measurement you are going to use the included cut out to complete an activity! This activity works best with a friend or parent!

First you need to decorate and cut out our helper! Once you have your helper cut out, find somewhere you can walk around. Mark two spots on the floor a few feet away from each other. Starting at one spot and walking to the other, count how many steps you take to walk between them! Now, have a friend or parent do the same. How many steps did they take? Was it the same number of steps you took?

Because everyone takes different steps all of our measurements would be slightly different even though we're walking the same amount of space. This is similar to how analog sensors and data works, our information is based not only on the distance but what we use to measure it.



Now using our cut out helper, 'walk' the helper between the two spots by rotating or pivoting them from foot to foot. Have your friend or parent do the same! You should notice that this time we have the same number of steps.



Since our cut out helper can only take one sized step no matter who uses the cut out to walk the distance, they should get the same number. This is similar to how a digital sensor works, because the cut out helper takes a known sized step that will always be the same. The benefit of this is that unlike our analog measurements which can vary from person to person, our cut-out helper measurements work in any situation as long as we have the cut out!

CodeVA News

Doodlejam

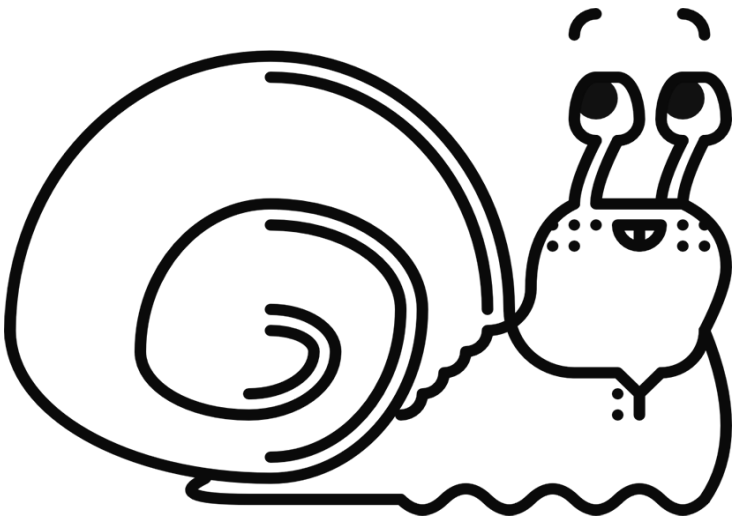
CodeVA's Eureka Workshop Doodlejam event is changing dates! Going forward, Doodlejam will be hosted on the last Saturday of the month from 10am to 12pm. DoodleJams are an interactive virtual environment where kids can interact with each other by drawing on a shared virtual canvas! We post invitations on our blog near the date of the jam, so be on the lookout for updates at

codeva.info/DoodleJamSignUp

Voxel Art Workshop

On Thursday October 29th, Pepper is hosting a paid workshop teaching the basics of Voxel Art! Voxels are a type of 3d cube and are best known for making up the world of Minecraft. You can view that and other education opportunities at:

codevirginia.org/students-programs/classes/



Resources

computer science classes and learning

adafruit - adafruit.com
hour of code - hourofcode.org
micro:bit - microbit.org

art & design

ears sketch - ears sketch.gatech.edu
gb studio - gbstudio.dev
makecode - makecode.com
piskelapp - piskelapp.com
goxel - goxel.xyz
scratch - scratch.mit.edu

lightbot is a free educational browser game that centers computational thinking in a series of puzzles. Help lightbot get to the goal at:
lightbot.com/flash.html

codeVA

learn more about what we do at
codevirginia.org



Enjoying Snail Mail?
Learn more about how we do it at
CodeVA.info/ProjectSnailMail



That wraps up our two-part issue on communication! (If you think about it, time itself can be a medium for communication.) We hope you enjoyed the activities! You can share your projects and drawings with us directly at:
codeva.info/SubmitYourSnailMail

Sincerely Yours
The Snail Mail Team

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