

@CSTANJ

@CS4NJ

#CSPDWeek2026

#CompSciNJ

@csteachersorg



New Jersey CSPDWeek

This material is based upon work supported by the National Science Foundation under Award No. 2607763.



Modeling AI in the Classroom

Abby Lahr

Start

Cancel



<https://canva.link/hp0e2t730u1ncv5>

who taught you how to...

eat with utensils
ride a bike
put on makeup
style your hair
use slang appropriately
drive a car
dance
use gym equipment

who taught you how to...

use a telephone
use the internet
use live gaming
use a cell phone
use a smart phone
use social media

and how is it going?

do you feel adequate?
an expert?

what social norms exist for you?
do you do something one way and someone else
does it another way?
are you using them effectively?

where has this left us?

how is the gaming world?

how has social media affected all of us?

are we really more connected?

has the internet brought more good than bad?

are we addicted to our phones?

where does AI fit into this?

AI is new

AI is big

AI is constantly changing

and we NEED to *teach* our students to use it

ways my students have used it

Dumb down the concept, then interact until you understand

Create practice quizzes

Predict AP questions

Elaborated on a concept beyond the scope of the classroom

ways my students have remembered teachers using it

use simple prompt, give simple worksheet, student cannot use ai,
teacher uses ai to grade

create a picture from [whatever concept learned]

clean up resume and cover letter in business class

Modeling AI in the Classroom

because we need to
we need students to use AI safely & effectively

but we can't just expect them to do it the right way

Okay

Some Feedback

hot takes from my seniors

Teachers assume students know how to use AI

Teachers assume HOW students are using AI

School rules can make student use confusing

Teachers use AI checkers but they aren't always correct



Content



Before You Can Model

Give yourself time to learn AI and adopt into your work flow

Then

Share with students

Ask for feedback

But How?

AI is more than a worksheet creator!

Use it to add the extras in your lesson:
warm up, hook, project, discussion prompt, real-world applications

In coding, have it create additional practice problems, explain code, or make a starter template

In cybersecurity, increase rigor and context, give real examples of the need for that cyber concept

Example – What can AI do?

keeping it simple for my freshmen elective class

Example: Prepping for a test with a study guide and or notes

Modeling: Give AI the materials and be specific in how you want to study

Example: Found an article you want to read but it is too long

Modeling: Giving AI the article to summarize but then interacting with AI after to really understand

Example: Emailing a teacher when they've turned in late work

Modeling: Giving AI the back story *and the student written email*, then asking AI to clean it up

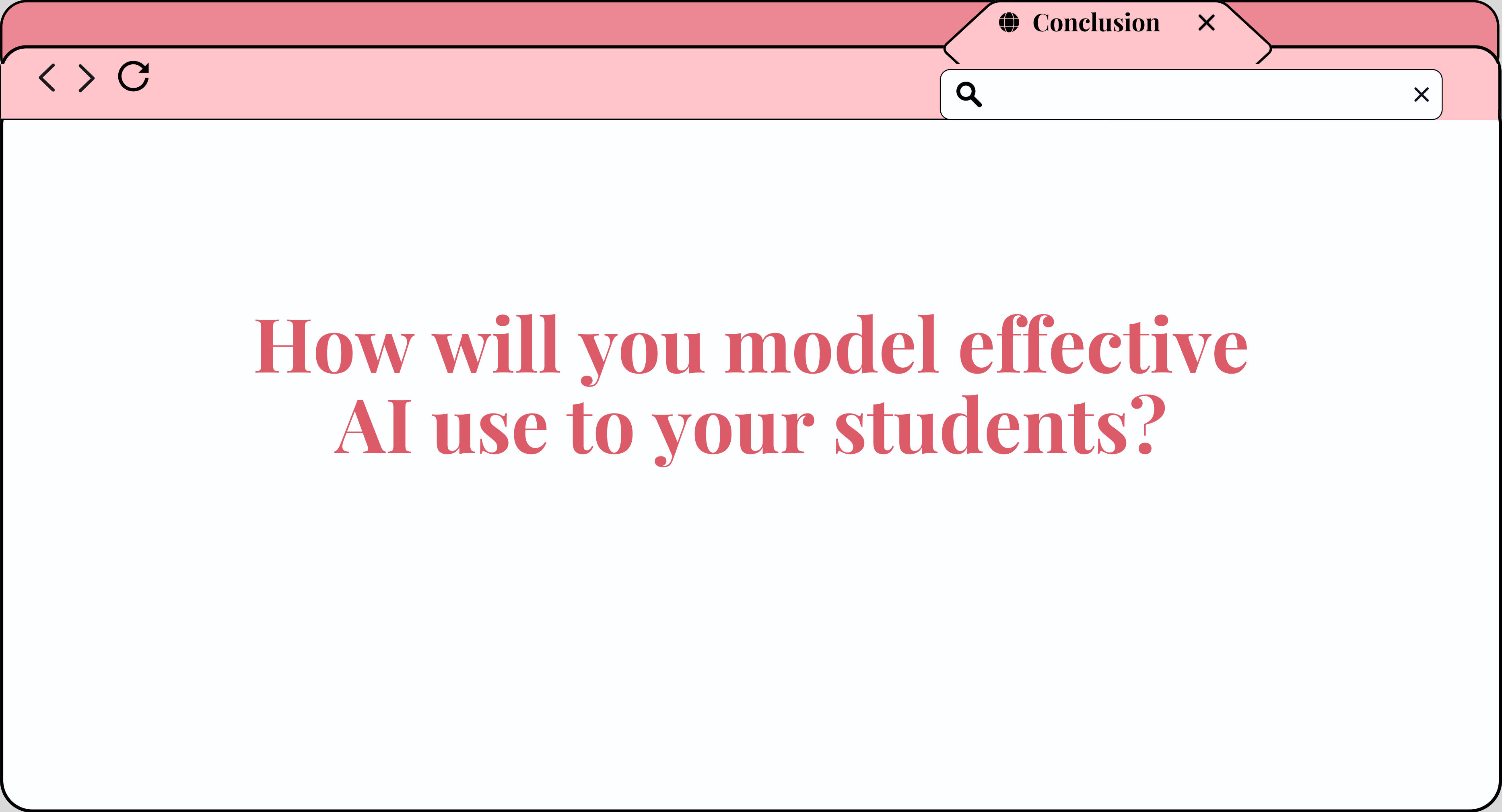
Example – Subnet Masks

for my senior honors cyber 1 class

Prompt: i need an activity for high school seniors. they don't want to do anything that requires too much thought because they have "checked out" for the school year. however, we are learning IP addresses and subnet masks. they learned that ipv4 addresses have a host portion adn a network portion. they learned there is a subnet mask and it identifies the network bits and the host bits. we looked at examples of pcs in the same network have the name network ID and then how two computer have two different ones and therefore need a router to communicate. create an activity or worksheet for students to practice identifying which parts are the network id given the subnet mask or grouping addresses for who is in the same lan. or another idea

Response: warm up, 4 part activity that built on previous part, gave optional game & a review sheet

Modeling: I went through what I gave ChatGPT, the response, what I gave them, why I didn't use some things



How will you model effective
AI use to your students?

THANKS FOR COMING!

email: alahr@gehrhsd.net

LinkedIn: <https://www.linkedin.com/in/abby-lahr/>

instagram: [@absegamicompsci](#)

Okay

@CSTANJ

@CS4NJ

#CSPDWeek2026

#CompSciNJ

@csteachersorg



New Jersey CSPDWeek

This material is based upon work supported by the National Science Foundation under Award No. 2607763.

I did not use the next slide in my presentation. It is a figure from the book “The Anxious Generation.” I highly recommend reading it for my reasons.

I left the image at the end as a reflection to slides 2 & 3. Households took a long time to adopt many new technologies, except for those that have made incredible impacts.

Communication Technology Adoption

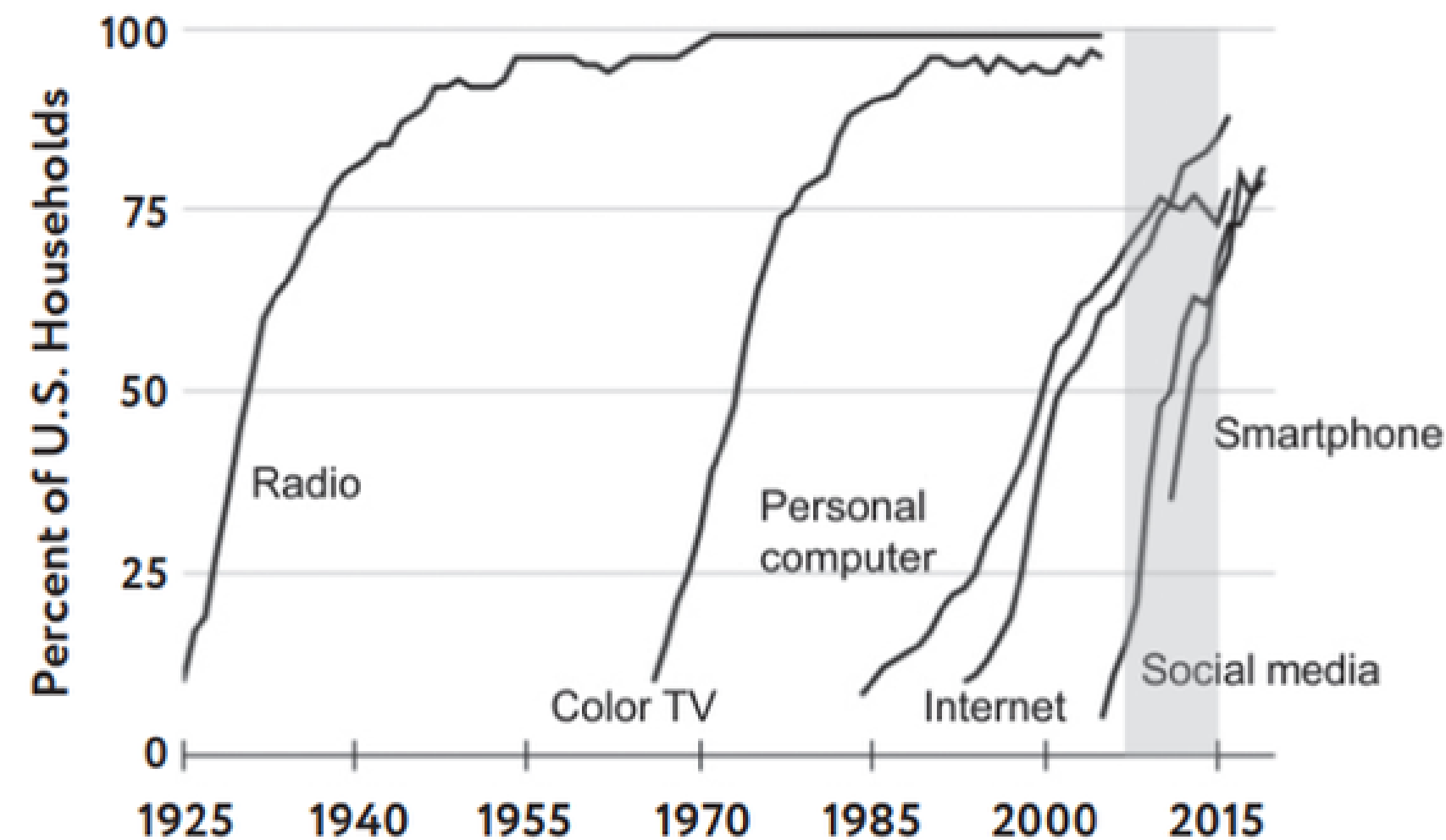


Figure 1.6. The share of U.S. households using specific technologies. The smartphone was adopted faster than any other communication technology in history. (Source: Our World in Data.)²⁵