

## Teacher Notes:

This activity is from  
Science+ Third Grade  
Module 3 "Mammoths:  
Environmental Changes  
Over Time."

### Suggestion Discussion Questions:

How do you think our  
culture has changed  
because of computers?

**Answer:** The way we  
communicate has changed.

I check my email or send  
a message on social media  
instantly. The way we work  
and play has also changed.

People can use laptops to  
work while traveling for  
business or even from home.

We are more resourceful  
since we have information at  
our fingertips and can look  
up answers immediately.

We can order food, bank,  
and shop online. We have  
probably become less  
patient because of all of  
these conveniences too.

How do you think  
computers and technology  
have changed because of  
our culture?

**Answer:** Since we are always  
on the go, we developed  
portable devices. With more  
people connected, we can  
work together worldwide to  
solve problems, create new,  
faster, and more efficient  
technology.

### Extension:

Ask your parents,  
grandparents, or caregiver  
how technology has  
changed over their lifetime.  
Have them explain their  
favorite technological  
device when they were  
younger. Ask what which  
technology advancements  
surprised them the most  
over their life.



## CYBER POP-OUT: Technology Over Time

Living things and environments are not the only things that change over time. Technology changes rapidly as people learn and develop new ways of gathering and using information. Phones, computers, and tablets are constantly changing, and new versions are being introduced to the public. Some people even refer to older devices or software as "fossils" (though they are not nearly as old as real fossils). Interview an adult and ask them how they have observed technology change during their life. Ask them if they remember a time before the internet or home computers and what life was like then versus now. The following video shows kids reacting to an early home computer.

- FBE React, "Kids React to Old Computers"

<https://www.youtube.com/watch?v=PF7EpEnglgk>



Have you seen or used an older model of a phone before?

Students may say, "Yes, my grandma has an old phone like the one above at her house." OR "No, I've never seen anything like this type of phone ever before."

Do you think the changes made have been beneficial? Why or why not?

Students may say, "Yes, the changes have made phones smaller and easier to carry around. Phones are able to do much more now with Internet and apps."



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