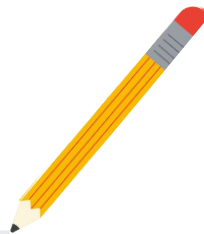
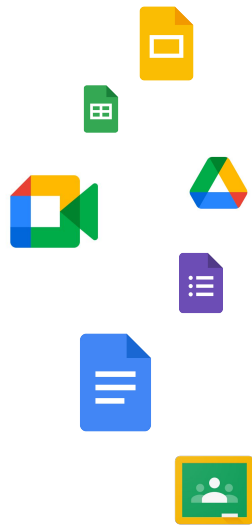


Google for Education

New!

# Chromebook Repairability

Teach with Chrome Series



March 3, 2022

# Speaker



**Racha Slaoui**

Product Manager, Chrome OS



# Agenda



Introduction

1

Google, Chrome OS  
and Sustainability

2

Chromebook  
Self-Repair Program





Nature has been whispering to us  
about these risks for a long time,  
but now she is shouting.”

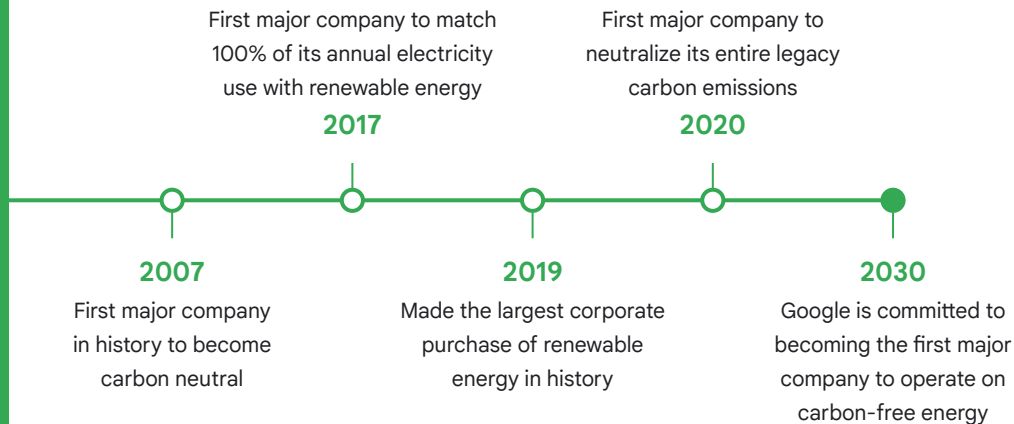
Frances Seymour,  
WRI Distinguished Senior Fellow

["2021 Must Be a Turning Point for Forests. 2020 Data Shows Us Why." March 2021.](#)

# Carbon neutral since 2007. Carbon free by 2030.

Google is in our third decade of climate action and has always considered it our responsibility to run our business more sustainably. It's also the best way to innovate, iterate, and share best practices with others.

**Google paves the path for sustainability in other industries and PAs.**



# Continued Investment from Google during COP26

In October 2021, Google launched an effort focused on getting 1B consumers to make more sustainable choices by 2022



New ways people can use Google's products to make sustainable choices



A Nest program to support clean energy from home



Book flights or purchase appliances that have lower carbon footprints



Eco-friendly routing on Google Maps



When people come to Google Search with questions about climate change, we'll show authoritative information from sources like the United Nations, in addition to the existing news sources that we currently raise up in the carousel.

# Chrome OS already committed to Sustainability

Chromebooks start fast and stay fast thanks to 8 years of automatic updates and rugged materials helping them last longer.



Longevity



Energy efficiency



Versatility



Secure shareability



Carbon-neutral cloud

# Chrome OS has ambitious sustainability goals, which support Google's commitment to a carbon-free footprint

## Key Focus Areas



Longevity



Power Efficiency



Materials

## Key Goals

Inform

End users to help them change their behavior and achieve their sustainable objectives

Enable

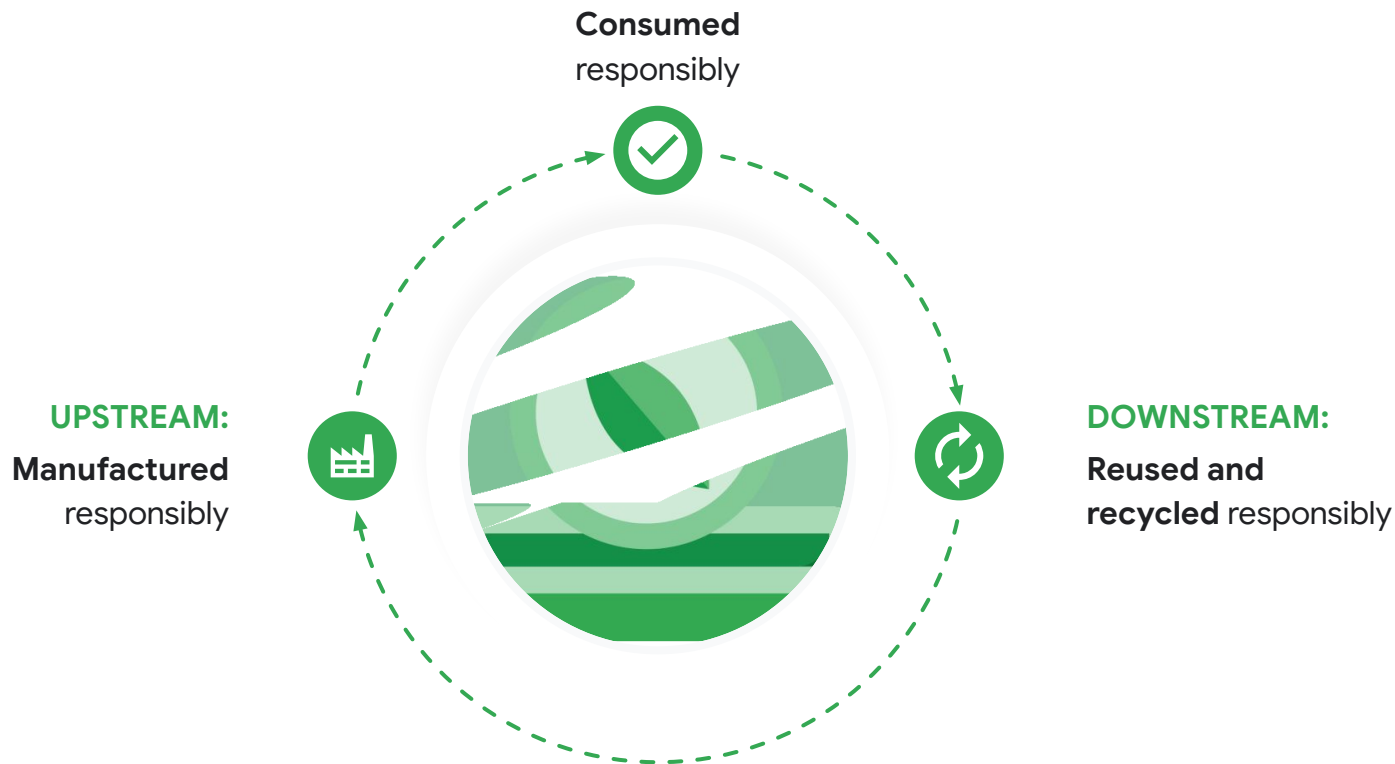
Sustainable choices by improving on our software, hardware and operational capabilities

Differentiate

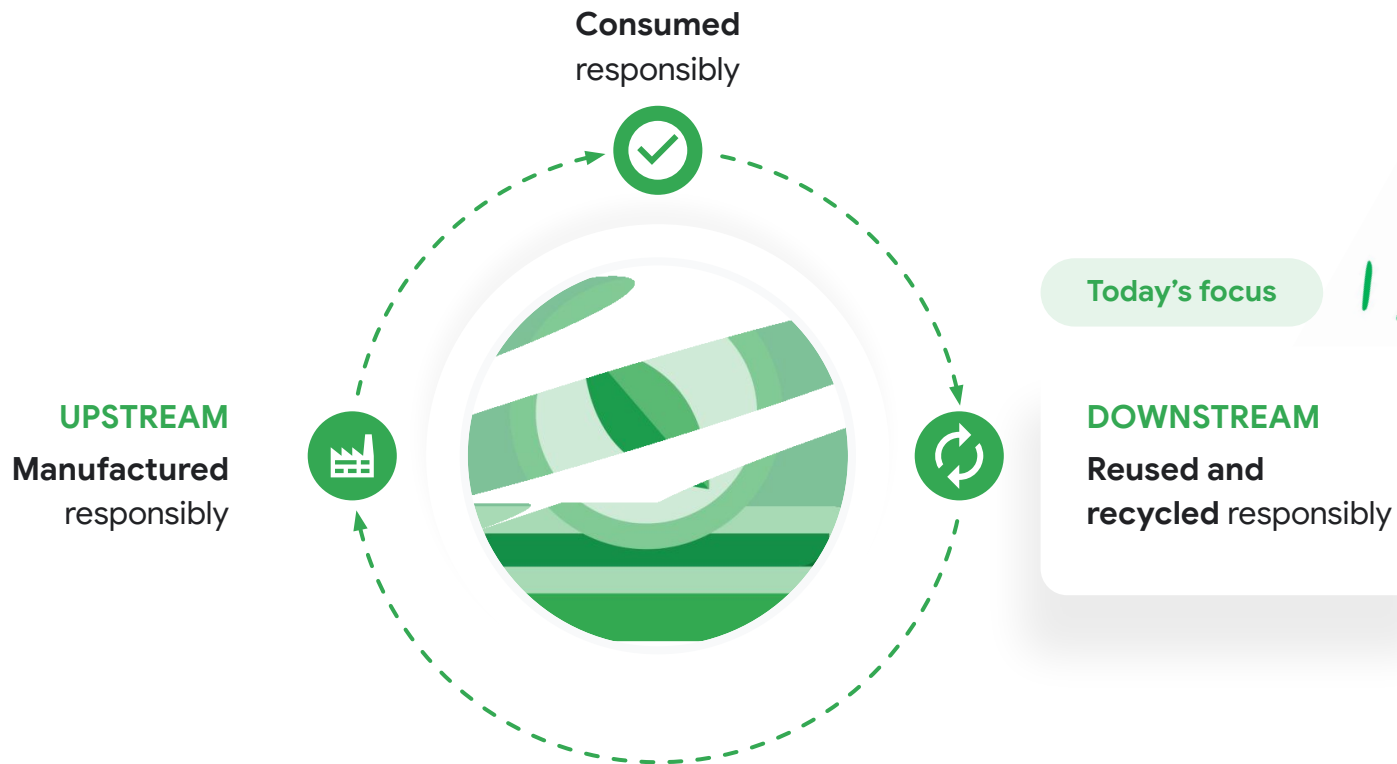
Chrome OS with projects that are ambitious and can influence the broader ecosystem to adopt more sustainable standards



# 2022 & beyond: Cradle to grave approach



# 2022 & beyond: Cradle to grave approach





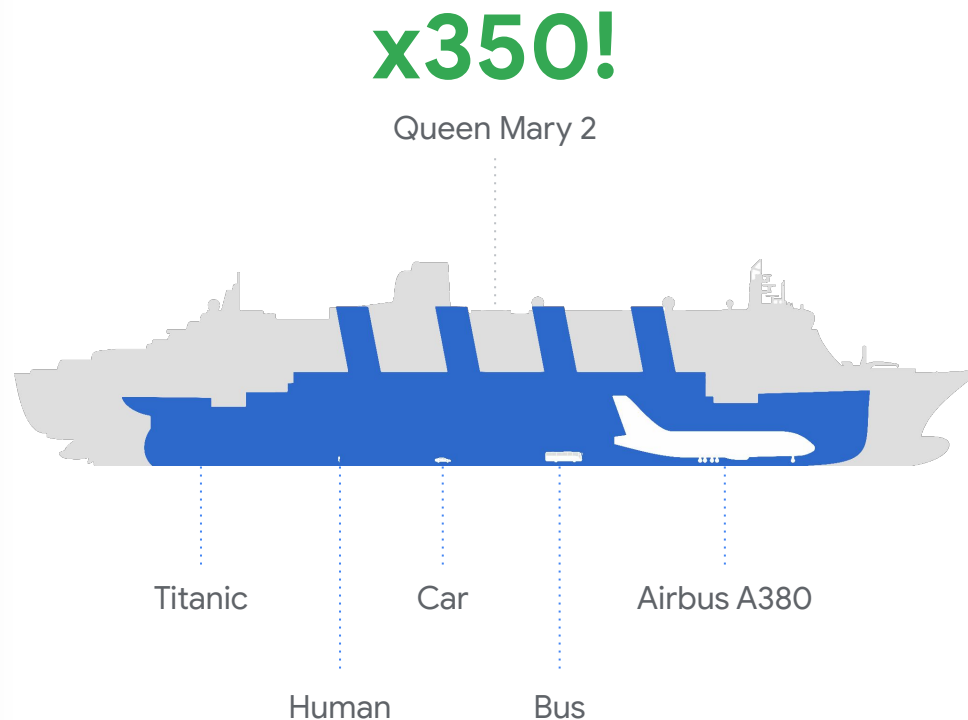
The most sustainable device is the one  
that has already been produced.”

Hervé Dumas,  
Sustainability IT Director, L'Oréal

Because you're worth it.  
**L'ORÉAL**  
PARIS

53.6 million tons of e-waste were dumped globally in 2019, an increase of 21% in five years.

- That's equivalent to the weight of **350 cruise ships** the size of the Queen Mary 2.
- **Only 17.4%** of the world's discarded electronics was recycled
- E-waste contains toxic additives or hazardous substances, resulting in **millions of tons of CO2 released into the atmosphere.**



# Mission: No Chromebook ever sees a landfill

Giving disposed Chromebooks a second chance to provide value to end users through **repairing, recycling, upcycling** or **repurposing**. The bottom-line is that no Chromebook should ever see a landfill.

Long-term

No Chromebook ever sees a landfill

Mid-term

No Chromebook ever needs to see a landfill

Short-term

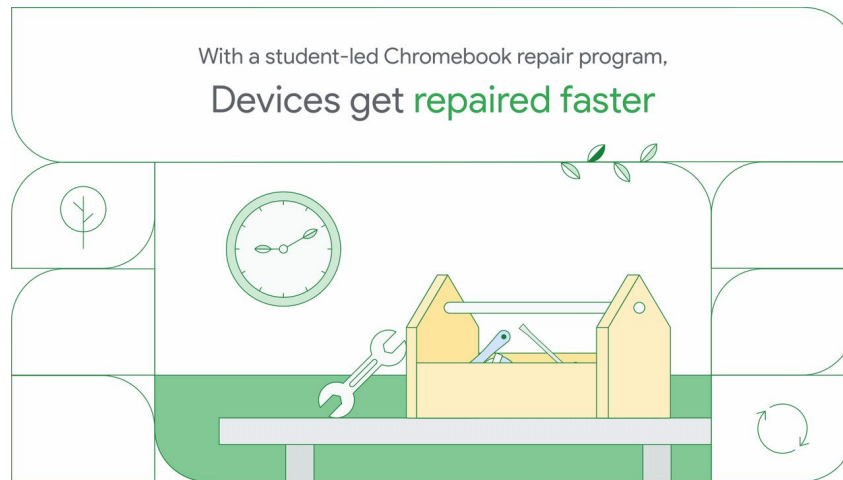
Fewer Chromebooks see a landfill

# Reused responsibly

## Chromebook Repair Program

- **De-mystify self-repair:** best practices, benefits and how-tos
- **Drive users to vetted OEM resources:** OEM support and repair trainings, guides and replacement parts
- **Help users understand what is repairable and by whom:** not every component on a device can be self-repaired safely
- Make it easier for customers to compare device models repairability using **common repairability criteria**
- Build devices **designed to be repairable**

## Launched in the US with Acer and Lenovo



<https://edu.google.com/products/chromebooks/chromebook-repairability/>

# Why repair your own Chromebooks at school?

While Chromebooks are built for the rugged demands of the modern classroom, it's inevitable they will suffer some wear and tear—from broken screens to worn-out batteries. For simple repairs like these, many schools are introducing in-house Chromebook repair programs.



## Learning continuity

Minimize turnaround to get devices back to teaching and learning.



## Sustainability

Keep your devices in service longer to keep them out of the e-waste bin.



## Practical skills

Give students practical tech skills by completing manufacturers' trainings.

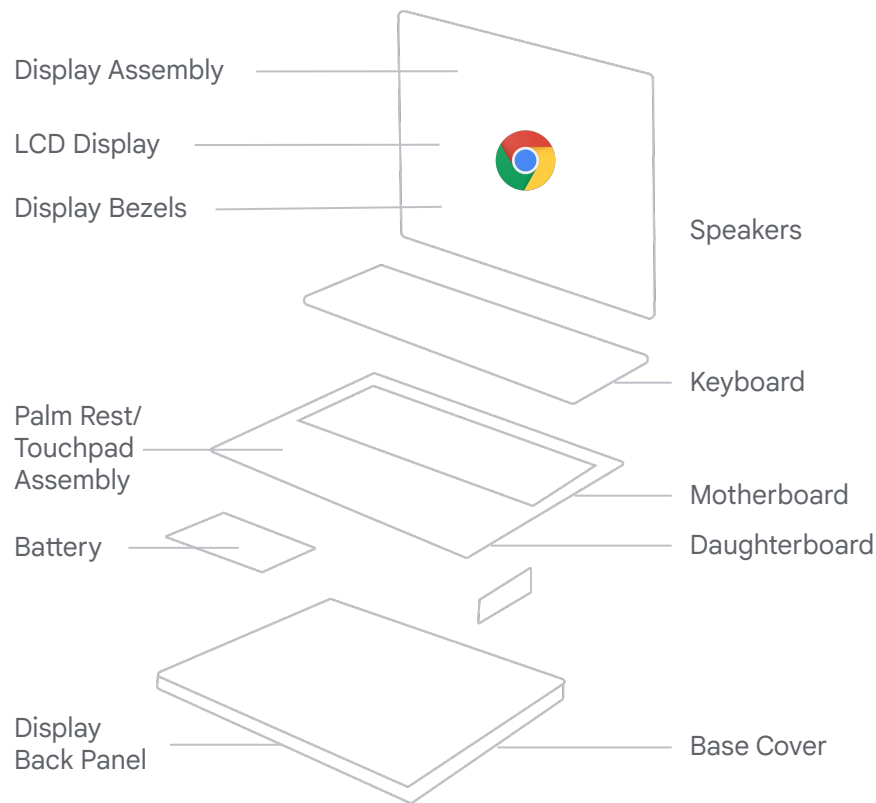
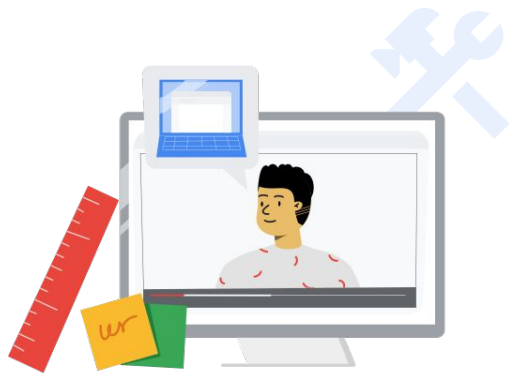




At Jenks Public Schools, the in-school repair service has led to significant cost savings for the district, fast turnaround time for Chromebook repairs, and graduates who can land jobs in the IT field.



# What parts are potentially repairable in-school?



# Where to go for more information?



## FAQ

Head to our Chromebook Repairability web page for FAQs and other helpful info.

[Visit site](#)



## Best practices

Get helpful tips on how to set up an in-house, student-run repair program.

[Read guide](#)



## Case study

See how Jenks Public Schools built 21st century skills with its in-school Chromebook repair program.

[Read case study](#)



## Repair guides

Find repair guides for different Chromebooks, along with handy repairability checklists.

[See all devices](#)

# Chromebooks reflect our commitment to sustainability

With Chromebooks, you get affordable, durable devices that are sustainably built, easy to reuse, and can be repaired.



Repairable



Longevity



Energy efficiency



Versatility

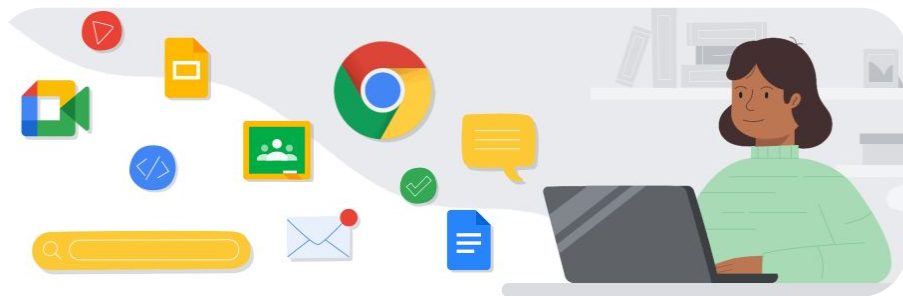


Secure shareability



Carbon-neutral cloud

Pro



# Thank you

Google for Education