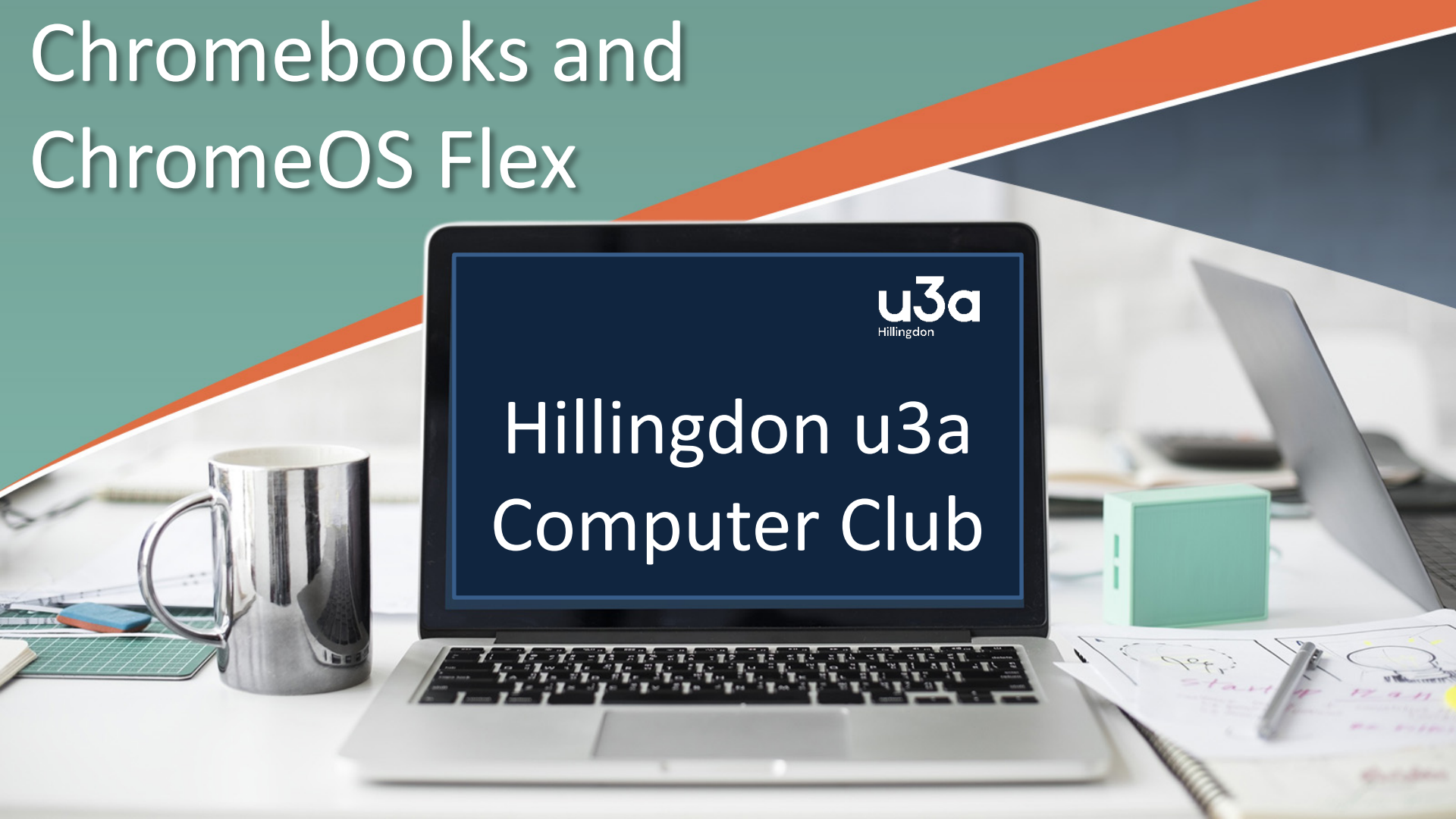


Chromebooks and ChromeOS Flex

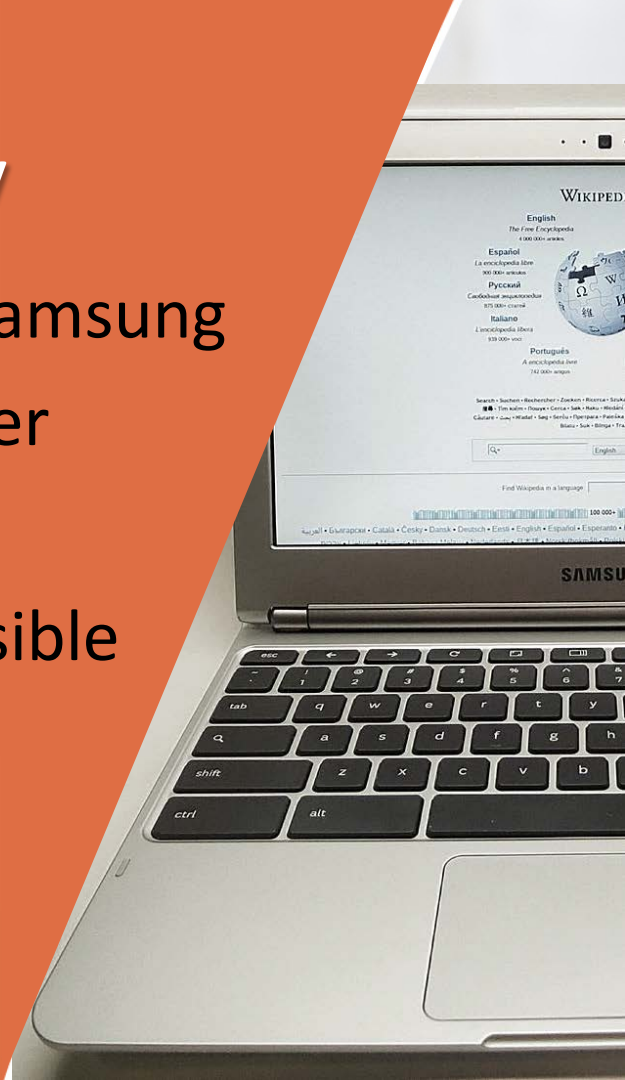
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Computer Club



Chromebooks – What are they

- Introduced in June 2011 by Acer & Samsung
- Designed around the Chrome Browser
- Using ChromeOS (on top of Linux)
- Meaning a lower Technical Spec possible
- Meaning Lower Prices (£270-£293)
- Access to the Google Play Store (Android Market to March 2012)



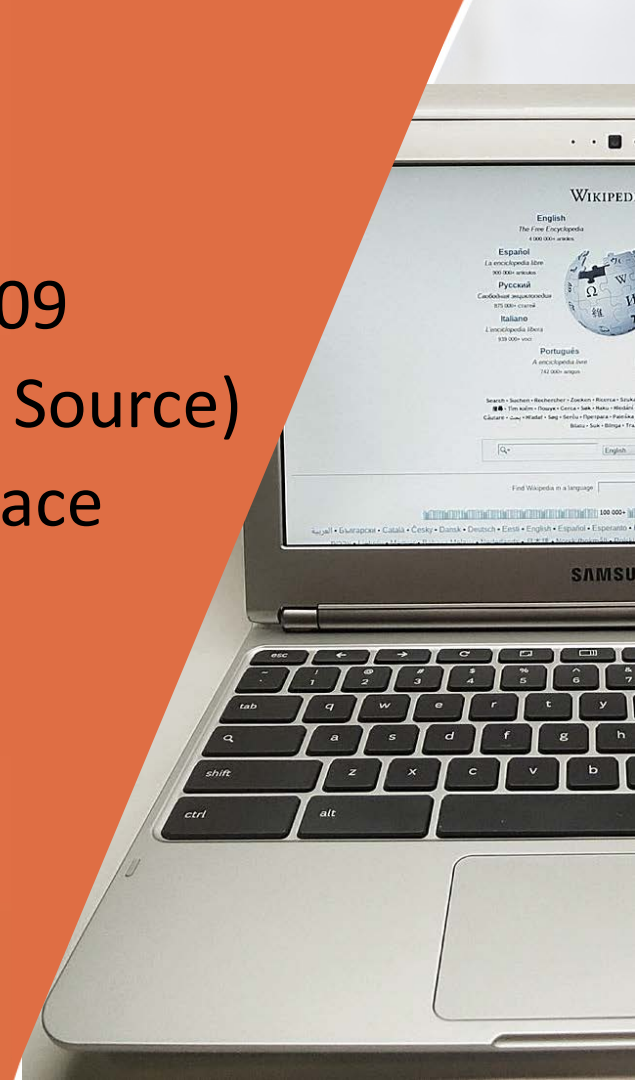
Chromebooks – Specification

- 12” Screen – Resolution 1366 x 768
- 2 Core Atom 1.67Ghz CPU
- 2Gb RAM, 16 Gb HHD (supported SSD)
- 6 Hour Battery Life
- USB
- Web Camera, Speakers & headphone
- WiFi or 3G (depending on model)



Chromebooks – ChromeOS

- Google announced it's new OS in 2009
- Linux based operating System (open Source)
- Uses Chrome web browser as it's I/Face
- Apps and data resides in the cloud
- Running Web Apps
- Android Apps available from 2016
- Since 2018, it can run Linux Apps



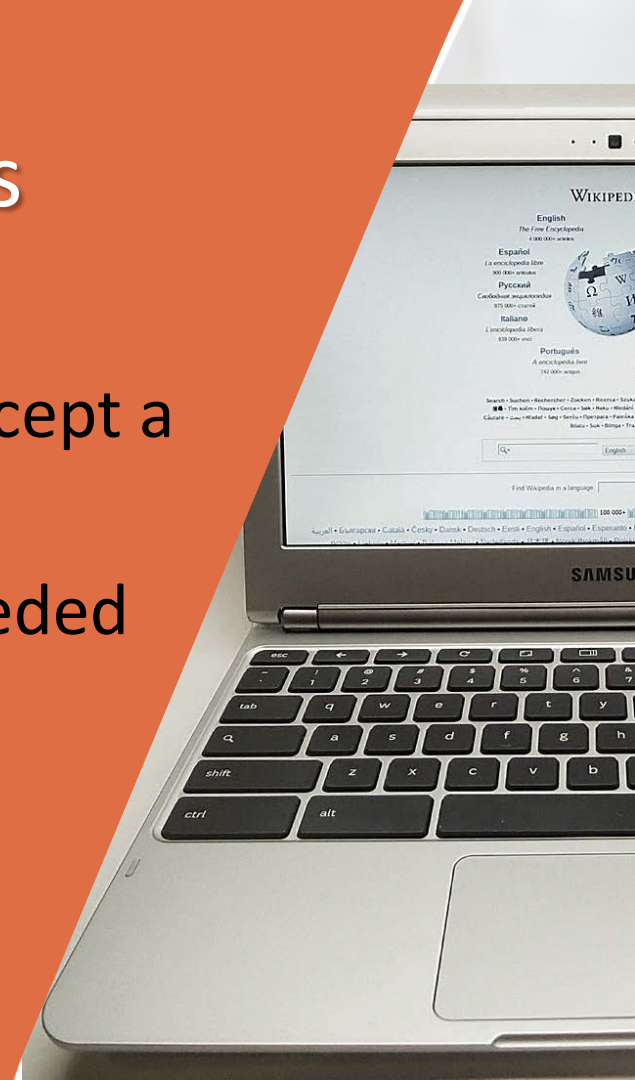
Chromebooks – Advantages

- Perfect for the Education & light office
- Office Apps - Word processing, Spreadsheets
- Often Cheaper due to lower spec components
- Better Battery Life as ChromeOS is light Compared to Windows
- Faster compared to Windows similar spec because the light OS
- Now runs the Google Suit



Chromebooks – Disadvantages

- Not great for serious Gaming
- Not for the creative professionals (except a writer)
- They aren't powerhouses such as needed for video editing.



Chromebooks – Today

- Today, you can get a Chrome book for £169 or less



HP 11a-na0000sa 11.6" Chromebook – MediaTek MT8183, 64 GB eMMC, White



- ChromeOS
- MediaTek MT8183 Processor
- RAM: 4 GB / Storage: 64 GB eMMC
- Battery life: Up to 15.5 hours

£169.00 **Save £10.00**

From £6.49 per month*

Buy now pay within 6 months*

Free next day delivery



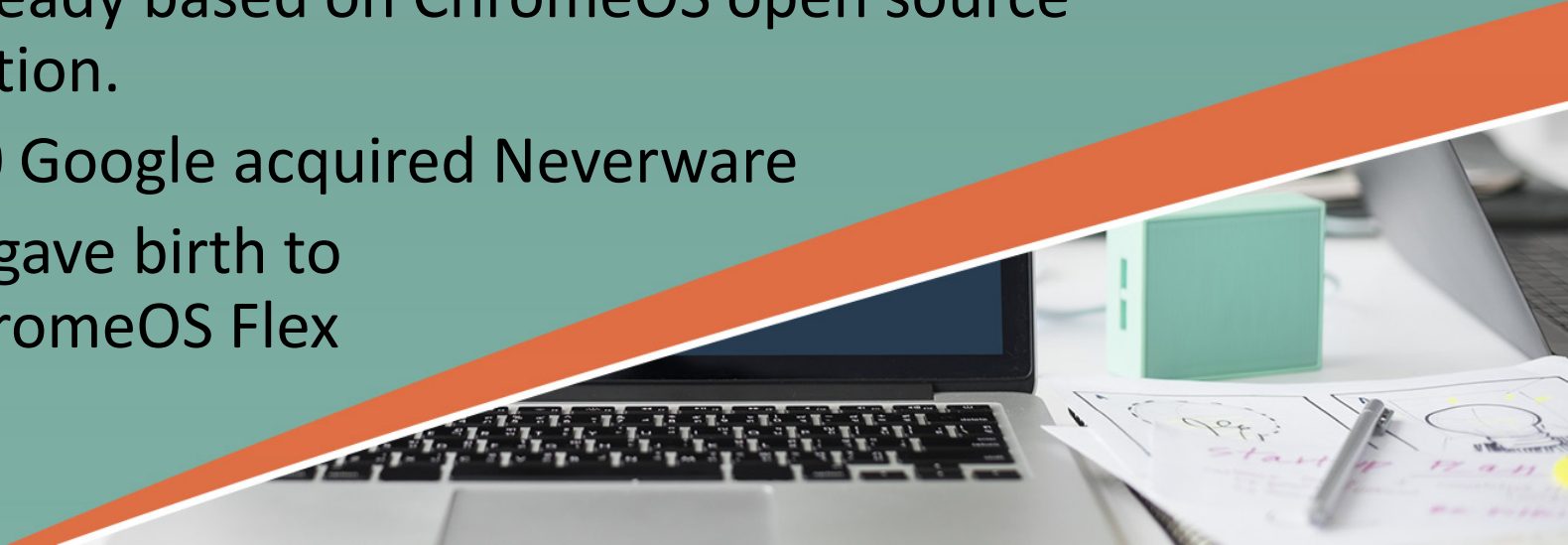
Delivery available



Free collection (subject to availability)

ChromeOS Flex - Origin

- The desire for a cheap OS to run on old PC or Mac's for Education use.
- A company called 'Neverware' developed an OS called CloudReady based on ChromeOS open source foundation.
- In 2020 Google acquired Neverware
- Which gave birth to ChromeOS Flex



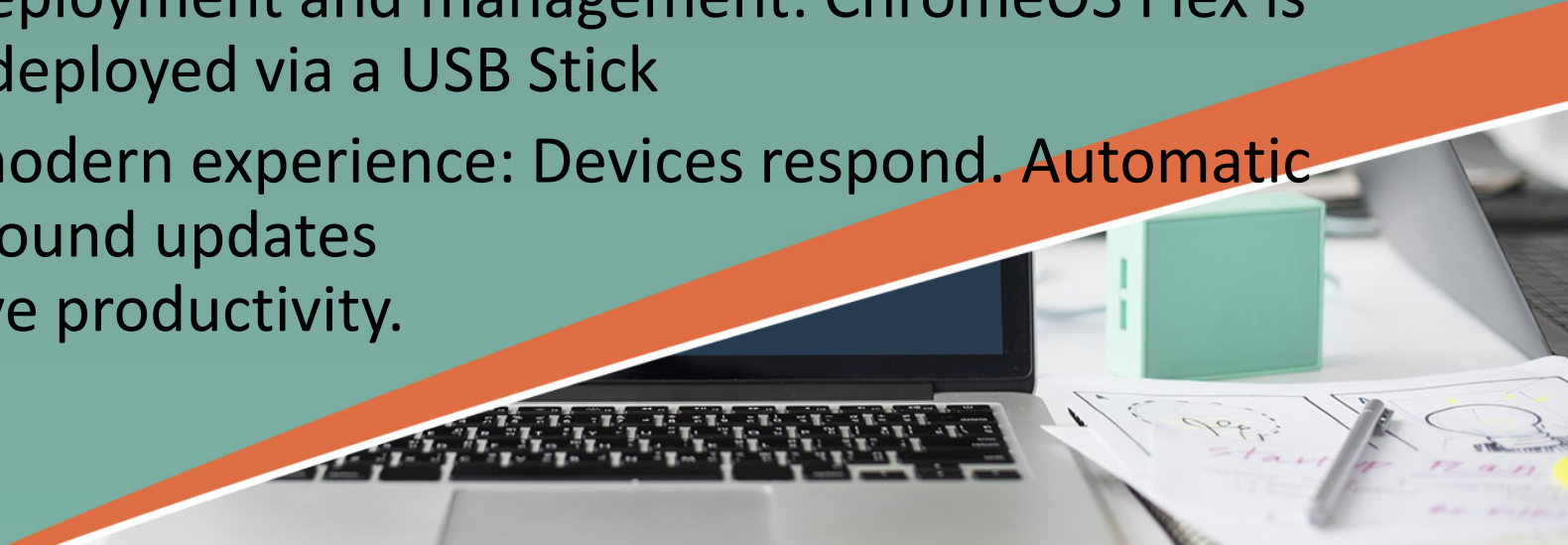
ChromeOS Flex – Why this could be useful

- So if you have a dusty old Dell Laptop on Windows 7
Then this could have a new lease of life with ChromeOS Flex installed.
- It doesn't work on really old PC's, Google provides a list of some approved 400 devices
- Rule of thumb is it needs a 64bit CPU, 4Gb RAM, 16Gb HDD, bootable from a USB and Admin access to BIOS



ChromeOS Flex – More reasons why

- Proactive security: ChromeOS Flex provides much-needed protection from threats such as ransomware & malware.
- Easy deployment and management: ChromeOS Flex is easily deployed via a USB Stick
- Fast, modern experience: Devices respond. Automatic background updates improve productivity.



ChromeOS Flex – Is it worth it ?

- I think if you have the right PC then having a play is a no-brainer. With ChromeOS Flex, you can take PCs that gave up the ghost with Windows vista or Macs from all the way back in 2009 and make them useful again.
- And It's FREE



ChromeOS Flex

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How to Install ChromeOS Flex



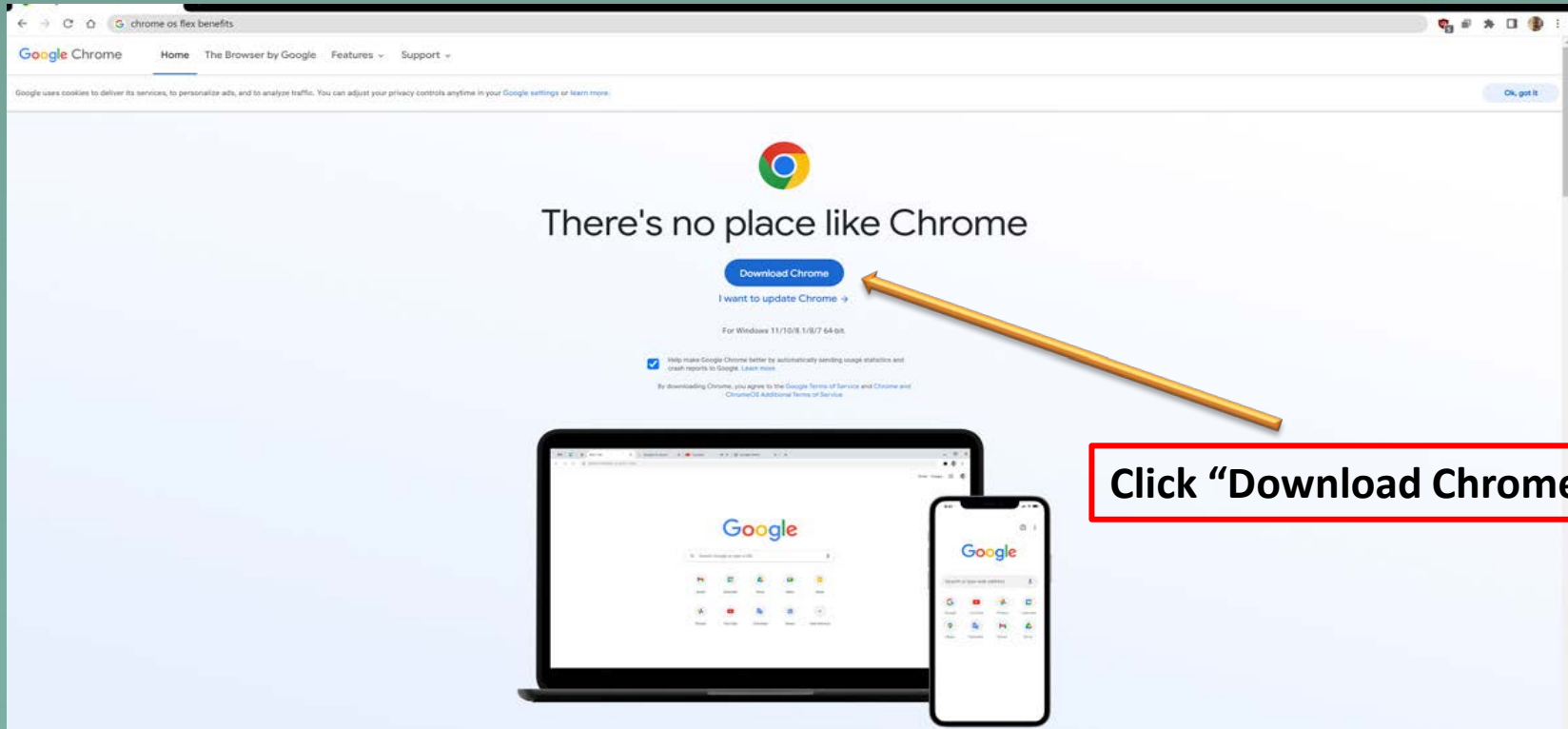
What we Need

- A suitable old Laptop / PC/ Mac for ChromeOS Flex
- A USB Stick at least 8Gb (will be wiped)
- A Laptop/PC to load the installer on the USB Stick
(could be the same Laptop)

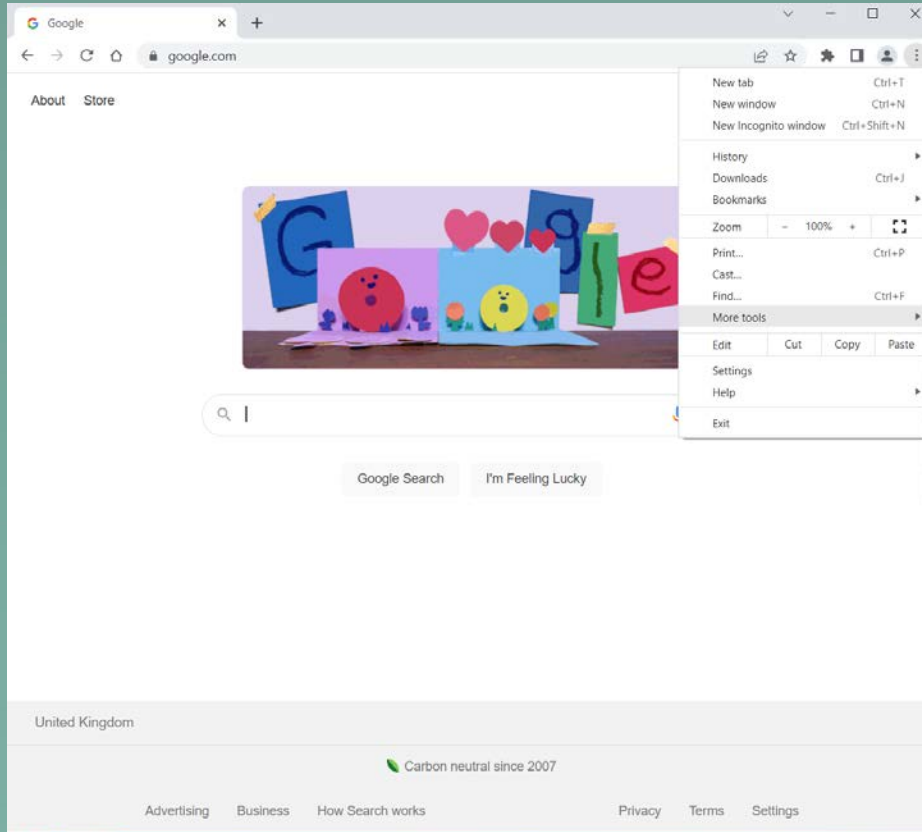


Open a Chrome Browser

Go to <https://www.google.com/chrome/> if you don't have it installed

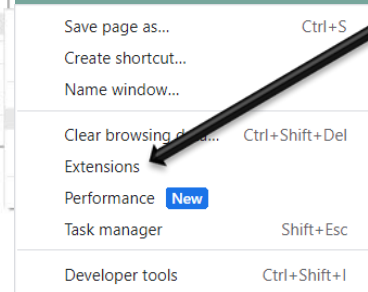


Open the Chrome Browser

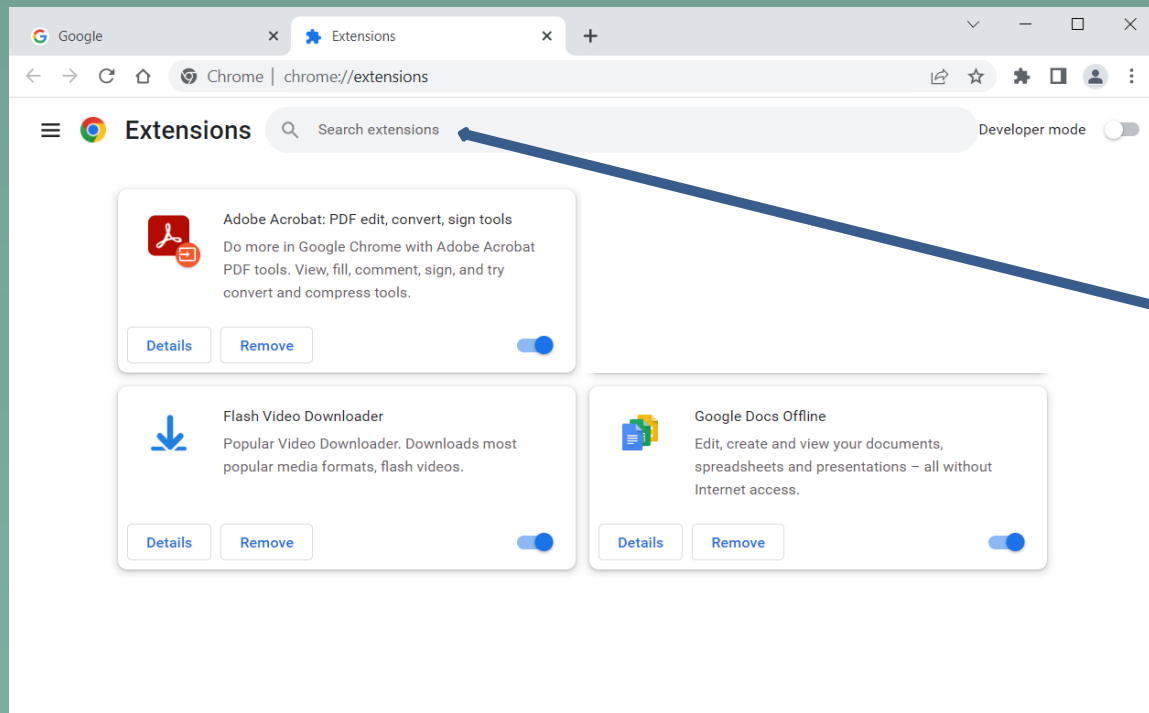


Click on the 3 dots
(for settings)

Click on "Extensions"

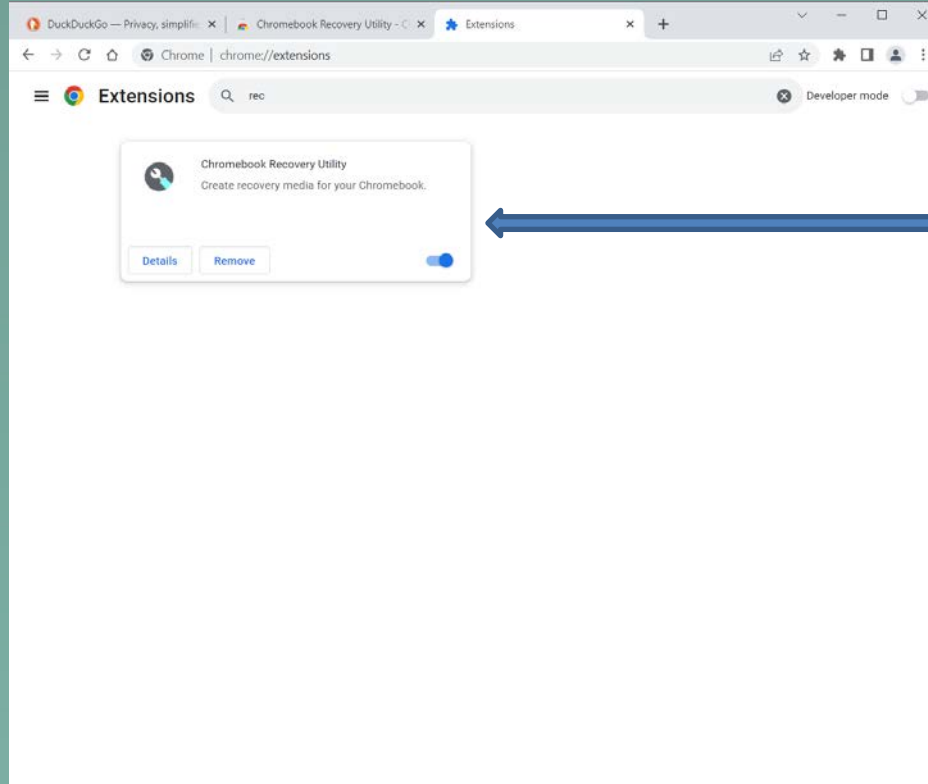


Install the Chrome Extension



Click in Search & enter
"Chromebook Recovery Utility"

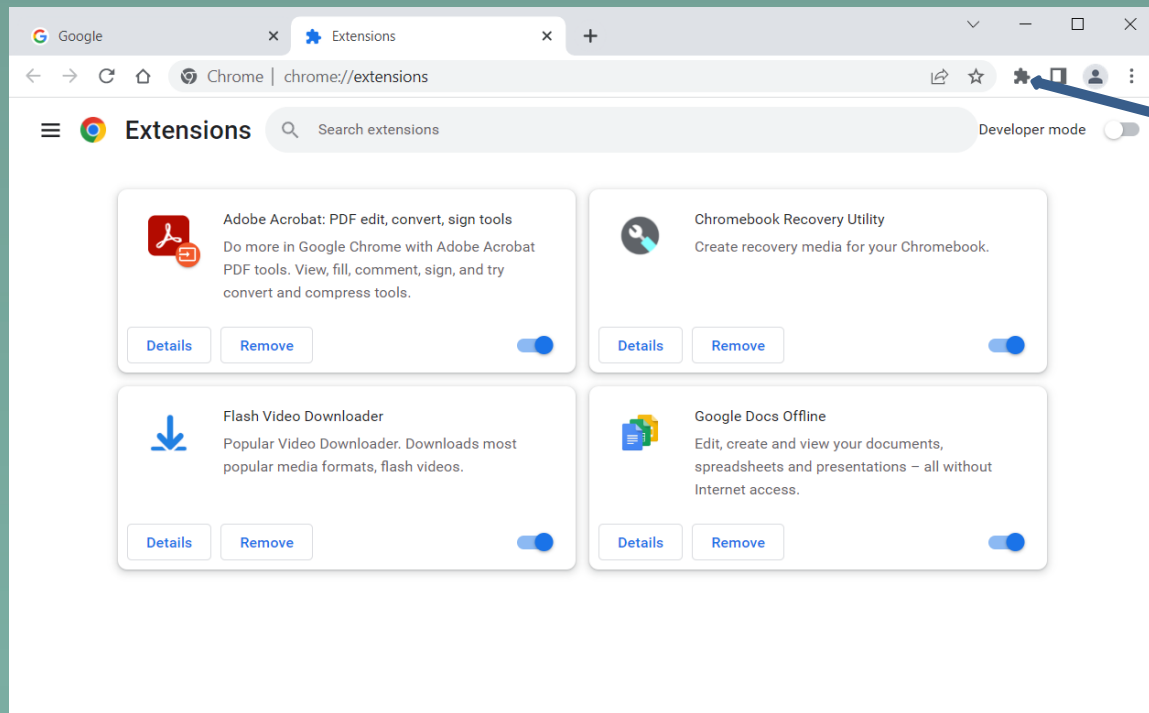
Install the Chrome Extension



Click on Add to Chrome

Then choose Add Extension

Install the Chrome Extension



Click on the Extensions menu
(looks like a jigsaw piece)

Install the Chrome Extension

Select Recovery Utility

Extensions

No access needed

These extensions don't need to see and change information on this site.

- Adobe Acrobat: PDF edit, conver...
- Chromebook Recovery Utility
- Flash Video Downloader
- Manage extensions

chrome web store

Home > Extensions > Chromebook Recovery Utility

Chromebook Recovery Utility [Remove from Chrome](#)

★★★★☆ 625 [Developer Tools](#) | 1,000,000+ users

[Overview](#) [Privacy practices](#) [Reviews](#) [Related](#)

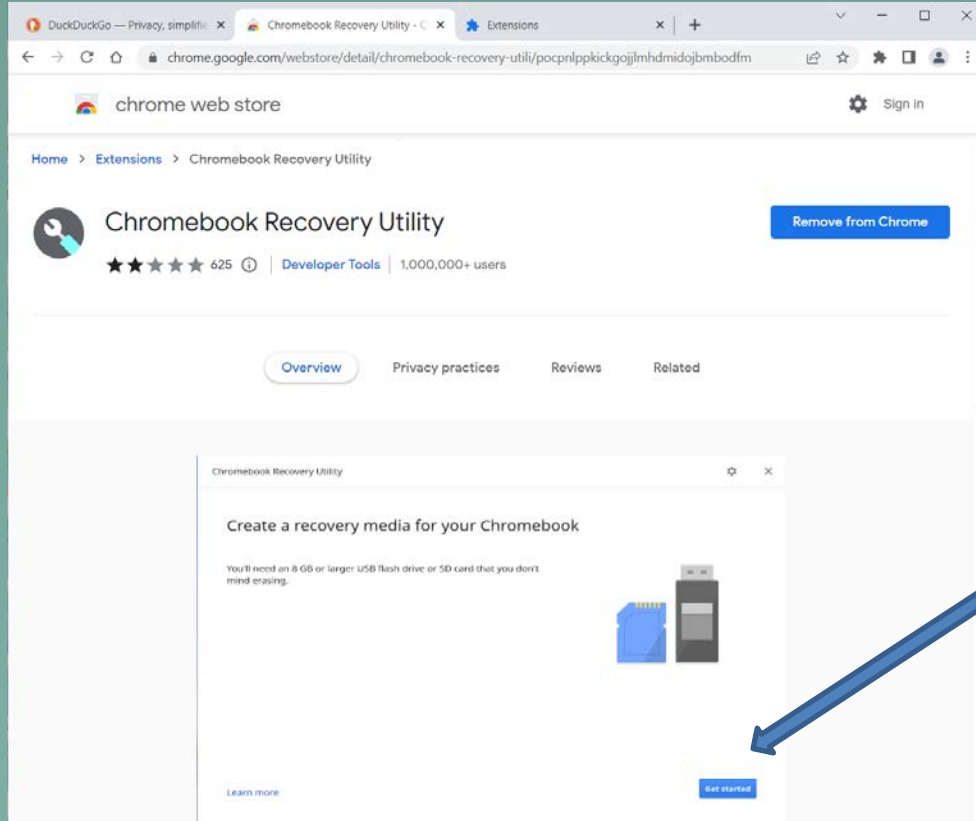
Chromebook Recovery Utility

Create a recovery media for your Chromebook

You'll need an 8 GB or larger USB flash drive or SD card that you don't mind erasing.

[Learn more](#) [Get started](#)

Create an Install USB Stick



Then **plug in USB Stick**

When recognised, Click on **Get Started**

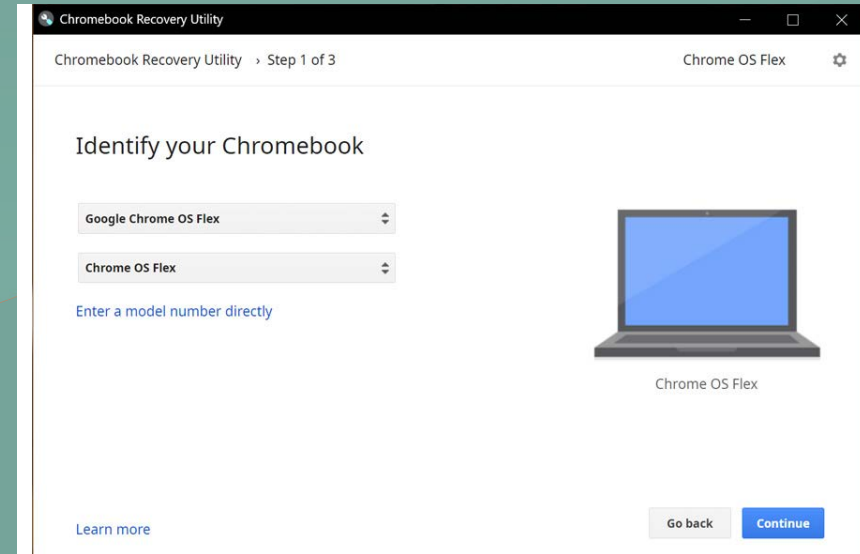
Create an Install USB Stick

You'll then see a window that asks for the model of your Chromebook.

Click **Select a Model from a List** and choose **Google ChromeOS Flex** in the top box.

Then select **ChromeOS Flex** in the bottom one.

Click **Continue**



Create an Install USB Stick

In the next window, choose your **USB drive** from the drop-down list, and press **Continue**. (You don't need to worry about the Advanced settings.)

Press **Create now** and select **Yes** when asked if you want Google to make changes to your device.

This will begin the process of writing ChromeOS Flex to your USB stick. It can take time to install – it took us upwards of 35 minutes. When it's finished installing, click **OK**.

Install ChromeOS Flex on your Laptop

Plug the USB stick into a port on the computer you want to install Chromebook Flex on, and switch it on while pressing the boot key.

See next slide for some of the boot keys that leading brands use.

Next, choose **USB drive** from the list, or select it as the first boot device in the BIOS screen.

If you see the ChromeOS Flex logo, you'll know it's working. Click **Get Started** and select whether you want to try the OS out over USB, or install it as the default operating system. Click **Next** and follow the onscreen instructions.

Install ChromeOS Flex on your Laptop

Here's a handy reminder of what the boot key is on various leading brands:

Laptop brand	Boot key
Acer	F2
Apple	Hold Option
Asus	Del
Del	F12
Gateway	F1
HP	F9
Intel	F2

Install ChromeOS Flex on your Laptop

Eventually, you'll get a screen asking for your wi-fi password, then privacy and licensing information. After that, you're all set.

Laptop Demo



The End

