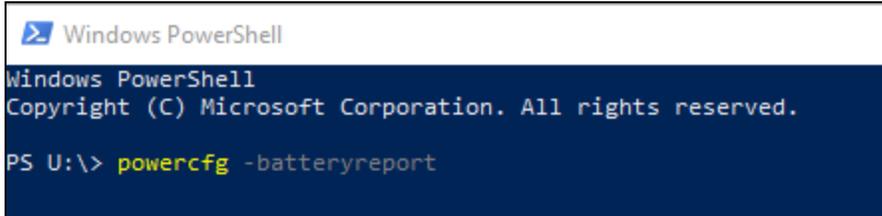


Run a Battery Report

1. Have the student or teacher login
2. Right-click on Windows icon 
3. Select **Windows Powershell** from the menu. (or do a search for Windows Powershell)
4. Enter the following command: **powercfg -batteryreport**
5. Press the **Enter** key
6. Note the location where the Battery Life Report is saved (it can vary).



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS U:\> powercfg -batteryreport
```

7. Browse to the saved location and open the battery-report.html with your browser. Most will download to the student's **U Drive**. It will be called Battery Report.

8. Open this folder on the taskbar at the bottom of the screen: 

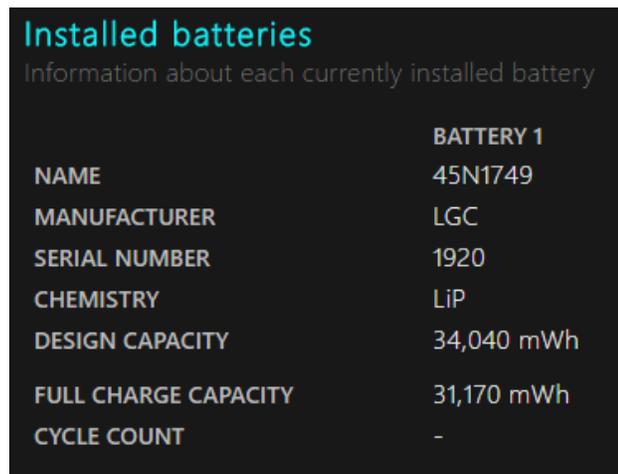
9. Click on This PC

10. Scroll down and double-click on the student's name.

11. Look for **Battery Report**.

12. Open it up.

13. The most important part is the "Installed batteries" section near the top.

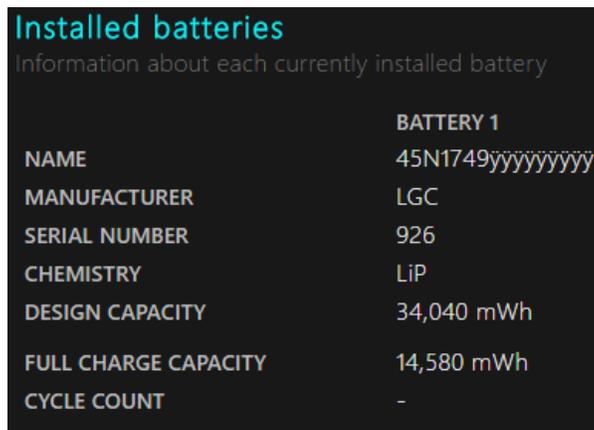


Installed batteries	
Information about each currently installed battery	
	BATTERY 1
NAME	45N1749
MANUFACTURER	LGC
SERIAL NUMBER	1920
CHEMISTRY	LiP
DESIGN CAPACITY	34,040 mWh
FULL CHARGE CAPACITY	31,170 mWh
CYCLE COUNT	-

14. Interpreting the report:

- a. If there is no information for Name, Manufacturer, Serial Number or it states "There is no battery connected", then disconnect and reconnect the battery cable.
- b. If Design Capacity is -1 or 0, then the battery is BAD and should be replaced.
- c. If Full Charge Capacity is less than half of Design Capacity, then battery is BAD and should be replaced.

Example of BAD battery:

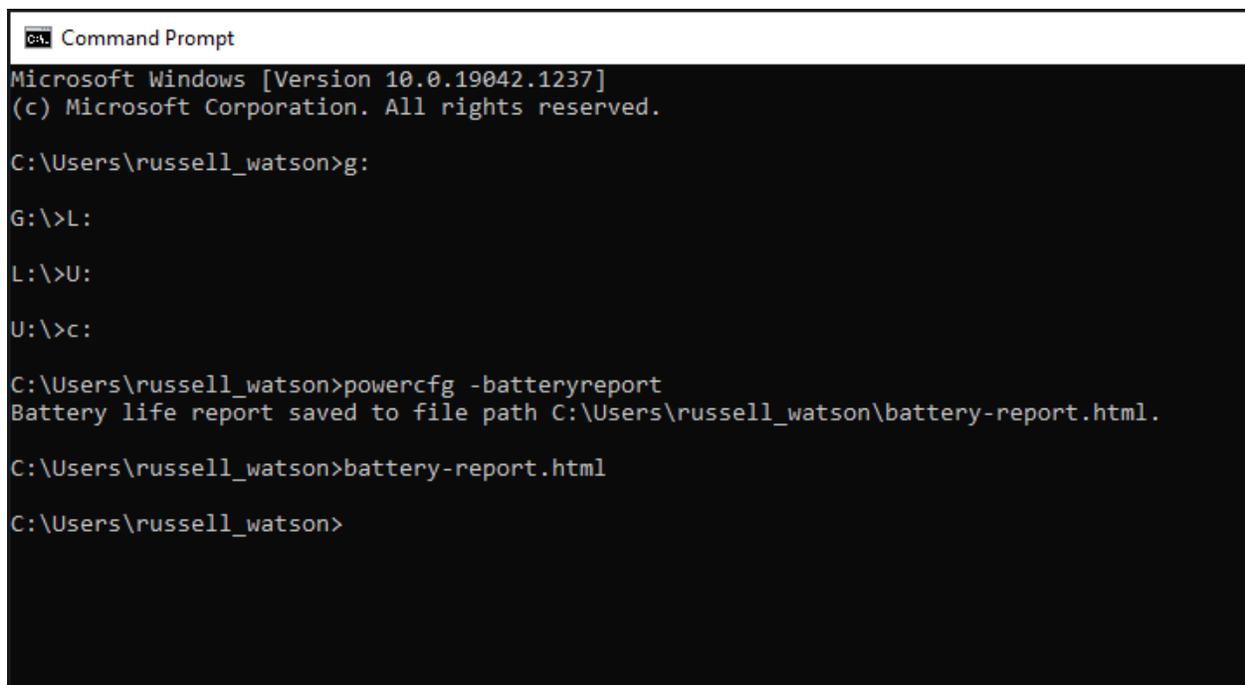


Installed batteries	
Information about each currently installed battery	
BATTERY 1	
NAME	45N1749yyyyyyyyyy
MANUFACTURER	LGC
SERIAL NUMBER	926
CHEMISTRY	LiP
DESIGN CAPACITY	34,040 mWh
FULL CHARGE CAPACITY	14,580 mWh
CYCLE COUNT	-

Note that the Full Charge Capacity is less than half of Design Capacity. The strange characters at the end of the Name also make the battery suspect. Battery should be considered BAD.

When you run the battery report, it gets saved in the current directory. When you open the Command prompt, it opens to a default directory - most often U: (though I couldn't replicate that on my machine nor a student device with a student login)

If you want to change to a different drive, you can just type in the drive letter with a colon, hit enter, and it will connect to that drive.



```
C:\ Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\russell_watson>g:
G:\>L:
L:\>U:
U:\>c:

C:\Users\russell_watson>powercfg -batteryreport
Battery life report saved to file path C:\Users\russell_watson\battery-report.html.

C:\Users\russell_watson>battery-report.html

C:\Users\russell_watson>
```

Notice I changed from the default "C:\Users\russell_watson>" to the G drive by just typing G: and pressing the Enter key. Same with the other drives.

Protip: you don't have to go to windows to locate that file. Type the file name on the command line (battery-report.html) and hit enter. It will open the battery report in Chrome.