



# Visual Studio Code Home Install for Windows

Mr. Eliot, Yorba Linda High School, **09-11-2023**

## WARNINGS:

- (1) While we have tested this installation on **Windows 10**, Mr. Eliot, Yorba Linda High School, and the Placentia-Yorba Linda Unified School District make no guarantees that the software discussed here will install properly on your home system. This home installation is **optional**, and you do it at your own risk. Also, Mr. Eliot cannot come to your house and troubleshoot your computer.
- (2) This installation relies on **EVERYTHING** being in exactly the folders mentioned. Please put things where the directions ask, not where you "think" they should go.

## INSTRUCTIONS FOR WINDOWS:

(1) Visit <https://MrEliot.com> and click on the **File Downloads** tab. Open the **APCompSciA → HOME\_INSTALL → Windows** folder. Download everything in this folder to your Downloads folder or your Windows 10+ Desktop computer. Files should include:

- **VSCodeSetup-x64-1.82.0.exe**
- **jdk-11.0.19\_windows-x64\_bin.exe**
- **VSCode\_Portable.zip**
- **EVERYONE\_ACCESS\_DATA\_FOLDER.cmd**

(2) You are installing the **PORTABLE** version of Visual Studio Code and the Java 11 JDK (development kit). You will need **File Explorer** at various points. You should be comfortable with this program after using it in class. Your computer needs a ZIP/UNZIP program installed. If you don't already have one, then download and install 7-zip 64-bit x64 (<https://www.7-zip.org/>). Take special care not to create extra folders inside folders!

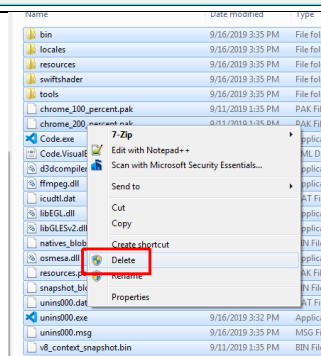
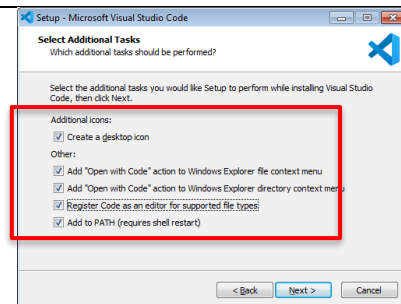
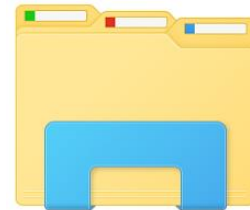
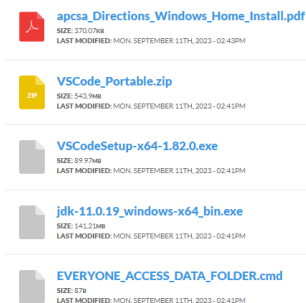
(3) Install the Java 11 Development Kit (JDK) using the file **jdk-11.0.19\_windows-x64\_bin.exe**. Do not use any other version of the JDK. Install it to the default location. When finished, **CHECK** that it was installed to: **C:\Program Files\Java\jdk-11**. Nothing will work if the JDK is not installed here! You might have other JDKs installed, that's fine, ignore them, it doesn't matter.

(4) Install **as Administrator** the file named **VSCodeSetup-x64-1.82.0**. DO NOT make any changes to the location where it is installed, it **must** be in (**C:\Program Files\Microsoft VS Code**). This file will install Visual Studio Code plus a number of useful shortcuts, icons, and system settings. When you get to the "Select Additional Tasks" dialog (see image at right), I would strongly suggest selecting **everything**. At the end, uncheck the box that says "[ ] Launch Visual Studio Code". Do not run VS Code yet.

(5) Visit the folder where Visual Studio Code just was installed (**C:\Program Files\Microsoft VS Code**). Delete **EVERYTHING** in this folder. Say **YES** if you are asked to confirm the delete or if you are asked for permission.

*PS: I know it seems odd to delete **EVERYTHING** we just installed, but it will work. What we are doing is getting all of the original settings, shortcuts, and file-types to stay, but updating to the Visual Studio Code **portable** version in the next step.*

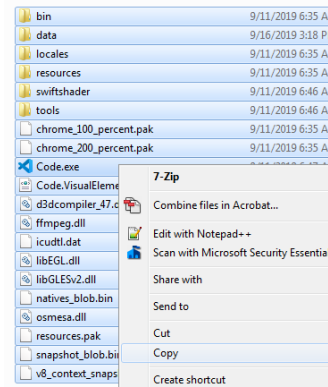
## SEE NEXT PAGE→



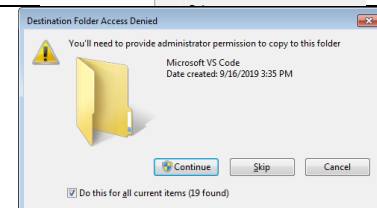
(6) Extract the ZIP file **VSCode\_Portable.zip** into a folder in your Downloads folder OR to a Desktop folder. Do this wherever you want, just **KNOW** where these files are and what folder they are in! Inside the folder created, you should see a number of files and folders very similar to the image on the right.

bin	9/11/2023 1:09 PM	File folder	
data	9/11/2023 1:10 PM	File folder	
locales	9/11/2023 1:10 PM	File folder	
policies	9/11/2023 1:10 PM	File folder	
resources	9/11/2023 1:10 PM	File folder	
tools	9/11/2023 1:10 PM	File folder	
chrome_100_percent.pak	7/12/2023 10:22 AM	PAK File	127 KB
chrome_200_percent.pak	7/12/2023 10:22 AM	PAK File	176 KB
Code.exe	7/12/2023 10:46 AM	Application	145,910 KB
Code.VisualElementsManifest.xml	7/12/2023 10:22 AM	XML Document	1 KB
d3dcompiler_47.dll	7/12/2023 10:45 AM	Application extens...	4,787 KB
ffmpeg.dll	7/12/2023 10:45 AM	Application extens...	2,327 KB
icudtl.dat	7/12/2023 10:22 AM	DAT	10,221 KB
libEGL.dll	7/12/2023 10:45 AM	Application extens...	493 KB
libGLESv2.dll	7/12/2023 10:45 AM	Application extens...	7,380 KB
LICENSES.chromium.html	7/12/2023 10:22 AM	Chrome HTML Do...	6,651 KB
resources.pak	7/12/2023 10:22 AM	PAK File	5,048 KB
snapshot_blob.bin	7/12/2023 10:22 AM	BIN File	169 KB
v8_context_snapshot.bin	7/12/2023 10:22 AM	BIN File	473 KB
vk_swiftshader.dll	7/12/2023 10:45 AM	Application extens...	5,034 KB
vk_swiftshader_icd.json	7/12/2023 10:22 AM	JSON Source File	1 KB
vulkan-1.dll	7/12/2023 10:46 AM	Application extens...	914 KB

(7) Select **ALL of the files and folders** found here. Make sure you don't miss a single file or a single folder! Then **RIGHT + CLICK** and select **COPY**.

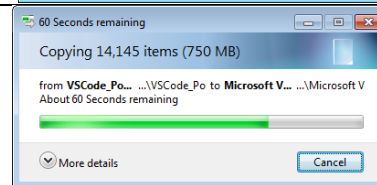


(8) Visit the **\*\*EMPTY\*\* C:\Program Files\Microsoft VS Code folder**, **RIGHT + CLICK** and select **PASTE**. You may get a warning when doing this about "Administrator Permission". Say **CONTINUE** and you are finished! This may take a few minutes, since you are copying A LOT of files. **You must be an administrator to do this!**

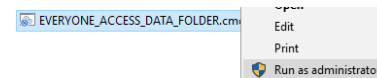
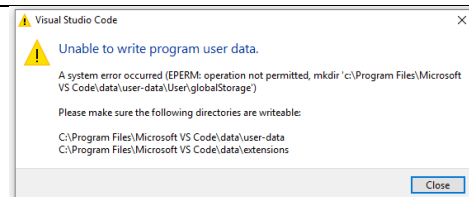


(9) Once the copy process has finished, you should now be able to use the Visual Studio Code program with all of our class settings from the Start Menu and Task Bar.

If you don't see a Task Bar shortcut, you can make one by **Right + Clicking** on **"Code.exe"** and select **"Pin To Taskbar"**.



**\*\*ERROR NOTE\*\*:** If you run Visual Studio Code the first time, and see the error **"Unable to write program user data"**, then do the following. **RIGHT + CLICK** the file **EVERYONE\_ACCESS\_DATA\_FOLDER.cmd** that you downloaded and select **"Run as administrator"**. This gives "Everyone" access to the Visual Studio Code data folder. This should fix the error. Close and run VSCode again.



(10) Now, create a **DefaultKarel** project and run it. It should work!

If it does not work or if you get error messages. Remove **Microsoft Visual Studio Code** from your computer using "Add or remove programs", and try again. Carefully making sure you follow the directions exactly. Perhaps make sure you are an **ADMINISTRATOR** when you try again?

