

# L<sup>A</sup>T<sub>E</sub>X Setup for the Sublime Editor with Windows

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1. Install TeX Live <https://www.tug.org/texlive/acquire.html>. This will take some time to download.
  - (a) TeX Live is not necessary on personal computers. MikTeX is restricted on ARA systems, but is much easier to deal with on personal computers.
  - (b) Install MikTeX. Install to your user profile (should be the default), and it will automatically be added to your user path.
2. Add TeX Live executables to your system path. It is in a folder similar to “C:\texlive\2020\bin\win32”
  - (a) Unnecessary for MikTeX install
3. In Sublime, go to Tools → Install Package Control to install the package controller.
4. Use Sublime’s package control to install LaTeXTools package. In Sublime, go to “Preferences → Package Control → Package Control: Install Package” and scroll or search for LaTeXTools
5. Install the lightweight pdf reader SumatraPDF at <https://www.sumatrapdfreader.org/download-free-pdf-viewer.html>
  - (a) If on an ARA system, it will likely install in your Admin folder and give you an error that it can’t be opened. It may be in “C:\Users\ARA-ADMIN\AppData\Local”. So move the SumatraPDF folder to “C:\Program Files” or somewhere else that is accessible.
6. Add the “C:\Program Files\SumatraPDF” (or whatever you chose) to your User path and restart your computer for the path changes to take affect.
7. Ensure setup is correct:
  - (a) Go to “Preferences → Package Settings → LaTeXTools → Settings – User” and scroll to the Platform Settings (about line 209)
  - (b) Ensure the TeX distro is set to “texlive”
  - (c) Go to “Preferences → Package Settings → LaTeXTools → Check System”. The status of all essential programs should be labeled as “available”.
8. Now Create a .tex document (or just use this document) and press Ctrl+b to compile the file. Sumatra should pop up and show you the compiled document.
9. Install LaTeX-cwl and LaTeXXYZ with Sublime’s package control just like we did above. These packages assist with autocompletion and syntax shortcuts. For reference:
  - <https://github.com/LaTeXing/LaTeX-cwl>
  - <https://github.com/randy3k/LaTeXXYZ>
10. Configure inverse search so you can compare a pdf object to an editor object easily. (First try to see if inverse search already works before doing this step.)
  - (a) Compile a tex file so that SumatraPDF is displaying a tex document.
  - (b) In the SumatraPDF window, go to “Settings → Options” and in the inverse search section put the path to your sublime executable followed by “%f:%l”

- (c) For example: “C:\Program Files\Sublime Text 3\sublime\_text.exe” “%f:%l”
  - (d) Now double clicking on a line in the pdf will automatically move the cursor to the corresponding line in Sublime.
11. A comprehensive list of L<sup>A</sup>T<sub>E</sub>X symbols can be found here:
- <https://mirror.its.dal.ca/ctan/info/symbols/comprehensive/symbols-a4.pdf>