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 Free and Open Source Scientific Software (FOSSS) for Windows (and Linux)
 Computer Tech 2018

| Program Purpose | Name | Link |
|--------------------------------------|------------------------------------|---|
| Operating system (GNU/Linux) | Debian (replace MS Windows) | https://debian.org |
| Operating system (GNU/Linux) | Ubuntu (replace MS Windows) | https://www.ubuntu.com/desktop |
| Operating system (GNU/Linux) | Linux Mint | https://linuxmint.com |
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| Version control (distributed) | Git | https://git-scm.com |
| Version control (centralized) | Subversion | http://subversion.apache.org |
| OS (info on GNU/Linux distributions) | Distro Watch | http://distrowatch.com |
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| Version control host (FOSS) | Github | https://github.com |
| Version control host (FOSS) | Bitbucket (free private Git repos) | https://bitbucket.org |
| Version control host (FOSS) | Source Forge | http://sourceforge.net |
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| Graphics (photo and image editing) | Gimp (replace Photoshop) | https://www.gimp.org |
| Graphics (vector drawing) | Inkscape (replace CorelDraw) | https://inkscape.org |
| Office suite | Libre Office (replace MS Office) | http://www.libreoffice.org |
| Mathematical programming | SciLab (replace MatLab) | http://www.scilab.org |
| Publishing (page layout) | Scribus (replace Adobe PageMaker) | http://www.scribus.net |
| Statistical programing | R-base (replace SAS or SPSS) | https://www.r-project.org |
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| Resources (FOSS programs) | GNU Operating System | https://www.gnu.org/software |
| Resources (FOSS programs) | Apache | http://apache.org |
| Resiurces (FOSS programs) | Google | https://google.com |
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| RDBM (relational databases) | SQLite (replace MS Access) | https://www.sqlite.org |
| RDBM (relational databases) | PostgreSQL (replace Oracle) | https://www.postgresql.org |
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| Sound editing software | Audacity | https://sourceforge.net/projects/audacity |
| Music composition and notation | MuseScore | https://musescore.org/en |

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| CAD (Computer-Aided Design/Drawing) | BRL-CAD | https://brlcad.org |
| CAD (Computer-Aided Design/Drawing) | FreeCaD | https://www.freecadweb.org |
| CAD (Computer-Aided Design/Drawing) | OpenSCAD | http://www.openscad.org/ |
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| Chemistry software links | ScienceGeekNet | http://www.sciencegeek.net/Chemistry/chemware/chemware.shtml |
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| Typesetting language | LaTeX | https://www.latex-project.org |
| LaTeX editor | TexStudio | https://www.texstudio.org |
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| Mathematical programming | Octave | https://www.gnu.org/software/octave |
| Symbolic math solver | Maxima | http://maxima.sourceforge.net |
| Astronomy program | Stellarium | http://stellarium.org |
| Chemistry program | Bkchem | http://bkchem.zirael.org |
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| Programming Languages | | |
| scripting | Rakudo Perl 6 | https://perl6.org |
| scripting | Perl 5 | https://perl.org |
| scripting | Python | https://www.python.org |
| scripting | bash | https://www.gnu.org/software/bash |
| compiled | GNU C/C++/Fortran/Go/Ada/OC | https://gcc.gnu.org |
| Programming for children 8+ | Scratch (with Linux Mint distro) | |
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