

Some Really Good Resources for High School Students

Math Apps (Apple App Store) (all free)

CalcMadeEasy – a pretty good calculator.

Calculator Smart – similar to CalcMadeEasy.

Delta: Math Helper – Another semi-sophisticated calculator.

GeoGebra Graphing Calculator – not quite Desmos, but a really good app. The company that made this has other apps (Geometry, Calculus, etc.) all free.

ExpressionsinBar – great for Algebra (fraction work is really nice).

PhotoMath – I love this one. I use it. Take a photo of an equation and “Bang”, solved!!!

Fractions Calc (\$.99) Yes, \$.99, but it calculates fractions, and explains what it has done.

Websites

The internet has taken accessibility to information and knowledge and made it as handy as the palm of your hand. So much is so available. Be careful, though, where there is good information, there is also bad. Please do not ever rely on Wikipedia. While every now and then there is something worthwhile, it is generally unreliable and frequently filled with corrupted information. Your high school teachers will not allow you to cite it as a source for any research.

Desmos.com – you’ve seen it in action. It is the source for graphing!!!!
www.desmos.com

Khan Academy – website or YouTube, it has videos and supporting practice problems. Useful for any level of math. It is free, but if you create an account they will pester you for donations from time to time. Comprehensive, complete and consistent.

www.khanacademy.org

MathPlane – Not the easiest site to navigate, but the free, downloadable lesson reviews are great. Site also covers a great range of high school math topics.

www.mathplane.com

Math-Aids – More of a site for teachers than students, but they have first rate worksheets. Freely downloadable, a very good resource.

www.math-aids.com

OnlineMathLearning.com - Loaded with ads, it has good topic reviews and worksheets.

onlinemathlearning.com

Cliff's Notes – the whole collection of Cliff's Notes have been used by students to avoid reading, studying, and preparing for centuries. That said, it does have some pretty good, if basic, information in their study guides. I am not a huge fan, but if you have used Cliff's Notes before, you may find it helpful.

www.cliffsnotes.com/study-guides

Paul's Online Notes – Paul Dawkins is a Professor of Mathematics at Lamar University. His site, while geared for college students, has all sorts of relevant material for high school students. In addition, his paper on “How to Study Math” is one of the greatest academic papers ever written. I was struggling in the middle of Calculus II when I read it. I ended up with an ‘A’ in the class. Definitely worth looking at, especially for the ‘Algebra Cheat Sheets’ (only 4 pages so stop whining).

www.tutorial.math.lamar.edu

PBS Learning Media – PBS is way more than some boring television. This site is loaded with great video lessons on everything you need in high school math. You can customize, and use in a real world situations. I love this site. A little hard to find things the first time, but stick with it, you will find it useful. Link does not seem to work, but try it.
www.nj.pbslearningmedia.org

Wolfram Alpha – This is the most used crutch of high school and college math students. It will practically do your homework for you. There isn't much that Wolfram Alpha can't do. But, it is very easy to become dependent upon this site. Mind you, you can't use it on a test. So proceed with caution.
www.wolframalpha.com

GeoGebra – The website associated with the app developers. A fair amount of tutorials and exercises.
www.geogebra.org

YouTube

Yes, everyone relies on YouTube for everything. Want to know how to cut your own hair? YouTube. Want to know how to translate Tamil to German and back again? YouTube.

But YouTube has a lot bad stuff too. Use caution. Your teachers may have some great suggestions on YouTube channels to use for assistance. In the meantime these are some that I subscribe to.

Khan Academy – website or YouTube, it has videos and supporting practice problems. Useful for any level of math. It is free, but if you create an account they will pester you for donations from time to time. Comprehensive, complete and consistent.
www.khanacademy.org

PatrickJMT – practical, compact lessons on a variety of math topics. Not bad.

Eddie Woo - Eddie Woo is a high school math teacher in Australia. He is a huge inspiration to me. Eddie explains things in a very straightforward, easy to understand way. When I am looking for help in explaining a topic to students I will often look to see how Eddie Woo teaches it.

shauteaches – Not sure who Shaun is, but his videos are practical, easy to understand, and good for high school math.

Mind Your Decisions – Hosted by a math genius names Presh Talwalkar this channel has lots of brain teasers, riddles and great math problems. It is my go to when I am online and bored.