

**MATH SCIENCE ONLINE RESOURCES
FOR TEACHERS STUDENTS**

The following is a list of quality online resources for Math teachers. This list and website summaries has been compiled by Rose-Hulman PRISM. Rose-Hulman PRISM does not endorse or promote any of the individuals or corporations represented in the resources.

Math Resources		
Please note: PRISM is a test-bed for educators to try out web-based resources that they might not otherwise have convenient access to. PRISM makes no explicit or implied warranty for data security and accepts no liability of any kind for any harm, damage, or loss which any persons or organizations may incur as a result of using these online resources.		
Online Resource	Description	Online Web Address (url)
Texas Instruments Classroom Activities	Find ready-to-use math and science activities aligned to select standards and textbooks for middle grades through college.	http://education.ti.com/en/us/activity
Khan Academy	All of the site's resources are available to anyone. It doesn't matter if you are a student, teacher, home-schooler, principal, adult returning to the classroom after 20 years, or a friendly alien just trying to get a leg up in earthly biology. Khan Academy's materials and resources are available to you completely free of charge.	http://www.khanacademy.org/coach/dashboard
My Secret Math Tutor	My Secret Math Tutor is a site dedicated to free online math tutorials. In this site you'll find math videos, notes, worksheets and more! You'll quickly find that My Secret Math Tutor is one of the best places to get math help online. The best part is: it is all completely free!	http://www.mysecretmathtutor.com/
WYKAMath	Limits, Derivatives, Applied Derivatives, Implicit Differentiation and Related Rates, Continuities of Functions, Integration, Integration Chain Rule, Logs & Exponents, Arc Trigonometry, Area by Parts & Rotational Volume	http://www.wykamath.com/
Math is Fun	Math is Fun website offers mathematics in an enjoyable and easy-to-learn manner, because they believe that mathematics is fun. Typically each page is reviewed by at least three qualified people, plus millions of people view the site and they tell Math is Fun contacts if they don't agree! The site aims to cover the full Kindergarten to Year 12 curriculum including Algebra I & II, Geometry, Pre-Calculus and Calculus.	www.mathisfun.com
IXL	IXL provides comprehensive, standards-aligned math and language arts practice for K-12. Pre-K through Pre-Calculus practice exercises are available on IXL.	www.ixl.com
Virtual Nerd	Virtual Nerd was originally developed as a supplemental learning resource for teachers and students, with a focus on middle school and high school mathematics. Over 1,500 video lessons covering Middle Grades Math through Algebra 2.	www.virtualnerd.com
S.O.S. Math	S.O.S. MATHematics is a free resource for math review material from Algebra to Differential Equations! The perfect study site for high school, college students and adult learners. Get help to do your homework, refresh your memory, prepare for a test.	http://www.sosmath.com/index.html
Rapid Learning	Rapid Learning Center is the leading provider of rapid e-learning solutions in chemistry, biology, physics, math, statistics and other core courses at high school, college levels and beyond. They also offer test prep rapid learning packages on MCAT, DAT, OAT, PCAT, Pre-Nursing, AP, SAT and other standard tests, with more to come. The Rapid Learning Team is a team of talents including university professors, high school educators, learning specialists and instructional designers.	http://www.rapidlearningcenter.com/
ProProf QuizMaker	Practice Quizzes available for students in all content areas. Students can use the search on the webpage to find an unlimited number of practice quizzes in many content areas.	http://www.proprofs.com/quiz-school/

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Science	Please note: PRISM is a test-bed for educators to try out web-based resources that they might not otherwise have convenient access to. PRISM makes no explicit or implied warranty for data security and accepts no liability of any kind for any harm, damage, or loss which any persons or organizations may incur as a result of using these online resources.	
Online Resource	Description	Online Web Address (url)
Bozeman Science	Bozemanscience is maintained by Paul Andersen, a science teacher in Bozeman, MT. He has created hundreds of science videos that have been viewed millions of times by students and teachers around the world. All of these videos are accessible from this website. Click any of the links to view videos within specific content areas. AP Biology, AP Chemistry, AP Physics, Anatomy & Physiology, Biology, Chemistry, Earth Science and Physics; as well as, Next Generation Science Standards.	http://www.bozemanscience.com/
A PLUS PHYSICS	Designed to help high school physics students and beginning college physics students succeed, APlusPhysics is a free online resource that focuses on problem solving, understanding, and real world applications in the context of courses such as NY Regents Physics, Honors Physics, and AP* Physics courses (AP Physics 1, AP Physics 2, AP Physics C - Mechanics, and AP Physics C - Electricity & Magnetism). We cover key topics in our physics tutorials and physics videos, and demonstrate how the principles and applications of introductory physics extend outside the classroom	http://www.aplusphysics.com/index.html
Science Geek	The contents of these pages are neither the responsibility of El Diamante High School nor Visalia Unified School District or Mr. Andy Allan. Mr. Allan believes that the contents are appropriate for secondary instruction, as are any resources linked from within this site. Teachers and students should free to look around the website. Some of the resources may be very specific to the courses that Mr. Allan teaches, while others may be of general use to many high school science students and instructors. Students and teachers may print, or download and use any materials that they find helpful. Resources for Chemistry I, AP Chemistry and Biology are found on the website.	www.sciencegeek.net
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Rapid Learning	Rapid Learning Center is the leading provider of rapid e-learning solutions in chemistry, biology, physics, math, statistics and other core courses at high school, college levels and beyond. They also offer test prep rapid learning packages on MCAT, DAT, OAT, PCAT, Pre-Nursing, AP, SAT and other standard tests, with more to come. The Rapid Learning Team is a team of talents including university professors, high school educators, learning specialists and instructional designers.	http://www.rapidlearningcenter.com/

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<p>Ptable.com</p>	<p>Many other periodic tables use the word interactive to describe themselves while offering nothing more than links to pages of data about elements. Pages of data are fine, and Ptable "outsources" these write-ups to others like Wikipedia and WebElements through the dropdown in the first tab. Ptable shines when used as a true application, more interactive and dynamic than any standalone software. Please continue reading to learn about all the interesting things you can do with Ptable that make Mendeleeev's creation come alive.</p>	<p>http://ptable.com/about.html</p>
<p>eLearnin</p>	<p>Elearnin is a noble mission with an honest effort to integrate 'Learning' with 'Education' to help individuals, students, learners across the world achieve greater value in their lives. Elearnin is the world's most comprehensive K-12 e-learning solution, founded by a set of entrepreneurs who are fanatically passionate about incorporating an alternate form of learning to enrich lives of students and learners across the world.</p>	<p>https://www.youtube.com/channel/UCP6AOyxqVxfAcnQLx-9MLzg</p>
<p>7activestudio</p>	<p>7 Active Technology Solutions Pvt.Ltd. is an educational 3D digital content provider for K -- 12. We also customize the content as per your requirement. 7 Active driving force "The Joy of Happy Learning" -- is what makes difference from other digital content providers. We consider Student needs, Lecturer needs and College needs in designing the 3D & 2D Animated Video Lectures.</p>	<p>https://www.youtube.com/user/7activestudio</p>
<p>Mr. Causey's World</p>	<p>Today much of the so-called "science" in the media and the political arena is nothing more than junk science. A collection of information based on feelings and ideas without proof. But this information has not been tested. It has not gone through a skeptical analysis or verification by the scientific method. The first goal of this website is to help the student to understand what science is and is not. It is very important that the student knows what he/she is searching for in any area of study. Mr. Causey's website offers several tutorial videos covering most content areas in Chemistry.</p>	<p>http://mrcauseysworld.com/chemistry/video.html</p>
<p>Mr. Ford's Class</p>	<p>Scott Ford, M.Ed. is a professional student and teacher. He has developed courses and taught for public schools, colleges, the FBI, the Joint Terrorism Task Force, the DEA, and other government agencies. His YouTube videos have been used and seen by over half a million students worldwide. His website offers online tutorial videos in Anatomy & Physiology. They are well-done and comprehensive.</p>	<p>http://mrfordsclass.net/</p>
<p>Tyler DeWitt</p>	<p>Tyler DeWitt is willing to bet that you weren't exactly crazy about your high school science classes, and he is passionate about changing how we think about teaching and learning in science, technology, engineering and math fields. A research scientist, high school teacher, and digital content creator, Tyler draws on these backgrounds to develop engaging curricula and pedagogies that foster critical thinking, problem solving, and authentic understanding. Tyler has taught high school Biology, Chemistry, and English at independent schools in the United States and South Korea, and he worked as a project manager to develop new K12 science curricula for the state of Florida. Chemistry videos are provided on this website.</p>	<p>https://www.youtube.com/user/tdewitt451</p>
<p>Timothy Palladino</p>	<p>The goal of Physics According to Palladino is the assist students learning Physics by providing videos that help students learn to think about Physics and review material covered during their Physics course. The site is still in it's infancy and more and more videos will come!</p>	<p>https://www.youtube.com/user/PalladinosPhysics/videos</p>
<p>Khan Academy</p>	<p>All of the site's resources are available to anyone. It doesn't matter if you are a student, teacher, home-schooler, principal, adult returning to the classroom after 20 years, or a friendly alien just trying to get a leg up in earthly biology. Khan Academy's materials and resources are available to you completely free of charge.</p>	<p>https://www.khanacademy.org/library</p>
<p>ProProf QuizMaker</p>	<p>Practice Quizzes available for students in all content areas. Students can use the search on the webpage to find an unlimited number of practice quizzes in many content areas.</p>	<p>http://www.proprofs.com/quiz-school/</p>