

# Web 2.0 Practical Applications for 6-12 Classrooms

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## Reading/Language Arts Resources

Title	Description	Web Site Link
A Jury of Her Peers	This short story is online and there are additional activities that go with the story as well. For grades 9-12	<a href="http://www.learner.org/interactives/literature/index.html">http://www.learner.org/interactives/literature/index.html</a>
Adlibs	Insert parts of speech and read the story, story changes	<a href="http://www.sundhagen.com/babbooks/adlib.cgi">http://www.sundhagen.com/babbooks/adlib.cgi</a>
Alan Cooper's Homonym List	Exhaustive list of homonyms	<a href="http://www.cooper.com/alan/homonym_list.html">http://www.cooper.com/alan/homonym_list.html</a>
Free Rice	Online vocabulary and grammar practice, earn grains of rice for every correct answer.	<a href="http://www.freerice.com/">http://www.freerice.com/</a>
High School English	A collaborative site with various link to Grammar, Literature, Composition, Spelling, and Interactive resources	<a href="http://ic-schools.net/tutorials/tools/english-hs.html#Interactive">http://ic-schools.net/tutorials/tools/english-hs.html#Interactive</a>
History and Culture	Offers multiple newspaper articles, journals, letter, and speeches. Interactive questions follow with immediate feedback. For grades 6-12	<a href="http://www.learner.org/interactives/historical/index.html">http://www.learner.org/interactives/historical/index.html</a>
Internet4Classrooms	Phonics, Reading, and grammar practice. Sorted by grade level: K-8 <sup>th</sup> grade. GREAT for EOG prep	<a href="http://www.internet4classrooms.com/skill_builders/cause_effect_language_arts_fourth_4th_grade.htm">http://www.internet4classrooms.com/skill_builders/cause_effect_language_arts_fourth_4th_grade.htm</a>
Literacy Center	Pre-K or Foreign Language Use (Spanish, Dutch, and French)	<a href="http://www.literacycenter.net/lessonview_en.php#">http://www.literacycenter.net/lessonview_en.php#</a>
Literature through WebQuests	Literature Learning Ladders offers WebQuests on various novels; WebQuests are grouped by K-2, 4-6, middle school, and high school. For grade K-12.	<a href="http://eduscapes.com/ladders/themes/webquests.htm">http://eduscapes.com/ladders/themes/webquests.htm</a>
Power Proofreading	K-8 <sup>th</sup> grade passages with grammatical errors, students read and correct errors	<a href="http://www.eduplace.com/kids/hme/k_5/proofread/proof.htm">http://www.eduplace.com/kids/hme/k_5/proofread/proof.htm</a>
Read, Write, Think	Online literacy learning interactive tools for K-12	<a href="http://www.readwritethink.org/classroom-resources/student-interactives/">http://www.readwritethink.org/classroom-resources/student-interactives/</a>
Spelling Bee	Spelling 'test' through fill-in-the-blank stories. Grading results are immediate.	<a href="http://www.learner.org/interactives/spelling/index.html">http://www.learner.org/interactives/spelling/index.html</a>
Storynory	Online text with audio for guided reading practice. New stories added every week.	<a href="http://storynory.com/">http://storynory.com/</a>

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## Math Resources

Title	Description	Web Site Link
Algebra help	Lesson ideas; worksheets; calculators; step-by-step practice; additional resources	<a href="http://www.algebrahelp.com/">http://www.algebrahelp.com/</a>
Fractions	Enter the correct fraction for the number of shaded pie wedges	<a href="http://www.vectorkids.com/vkfractions.htm">http://www.vectorkids.com/vkfractions.htm</a>
Free Rice	Online Multiplication and basic math facts practice, earn grains of rice for every correct answer.	<a href="http://www.freerice.com/category">http://www.freerice.com/category</a>
Geometry 3D shapes	Shape properties for grades 6-8	<a href="http://www.learner.org/interactives/geometry/index.html">http://www.learner.org/interactives/geometry/index.html</a>
Harcourt	K-8 interactive math resources that align with Harcourt math series, but applicable to NCSCOS as well	<a href="http://www.harcourtschool.com/menus/auto/13/5.html">http://www.harcourtschool.com/menus/auto/13/5.html</a>
Internet4Classrooms	Numbers and Operations, Algebra, Geometry and Measurement, and Data Analysis. Sorted by grade level: K-8 <sup>th</sup> grade. GREAT for EOG prep.	<a href="http://www.internet4classrooms.com/skills-2nd-mathbuilders.htm">http://www.internet4classrooms.com/skills-2nd-mathbuilders.htm</a>
IXL	Pre-K through 8 <sup>th</sup> grade online skill practice	<a href="http://www.ixl.com/">http://www.ixl.com/</a>
Kids Zone	Create graphs online – print available. Graph options include: Bar, Line, area, Pie, Coordinate Plane	<a href="http://nces.ed.gov/nceskids/createagraph/">http://nces.ed.gov/nceskids/createagraph/</a>
Matching Equivalent Fractions	Find equivalent fractions and beat the timer to continue to the next level	<a href="http://www.sheppardsoftware.com/mathgames/fractions/memory_equivalent1.htm">http://www.sheppardsoftware.com/mathgames/fractions/memory_equivalent1.htm</a>
Math League	4 <sup>th</sup> through 8 <sup>th</sup> grade homework help – offers examples for solving math problems based on math topics ranging from fractions to geometry	<a href="http://www.mathleague.com/help/help.htm">http://www.mathleague.com/help/help.htm</a>
Mean, Median, and Mode	Organize the heights of buildings to find the mean, median, and mode	<a href="http://www.bbc.co.uk/schools/ks2bitesize/maths/data/mode_median_mean/play.shtml">http://www.bbc.co.uk/schools/ks2bitesize/maths/data/mode_median_mean/play.shtml</a>
Metric conversion	Includes tutorials and interactive conversion games, for grades 6-8	<a href="http://www.learner.org/interactives/metric/index.html">http://www.learner.org/interactives/metric/index.html</a>
National Library of Virtual Manipulatives	Library of interactive, web-based virtual manipulatives for K-12	<a href="http://nlvm.usu.edu/en/nav/vlibrary.html">http://nlvm.usu.edu/en/nav/vlibrary.html</a>
Statistics	Random samples, +/-5% deviation, additional statistic resources, for grades 9-12	<a href="http://www.learner.org/interactives/statistics/index.html">http://www.learner.org/interactives/statistics/index.html</a>
Web Math	K-12 resources including Algebra, Plots & Geometry, Trigonometry, Calculus, and etc.	<a href="http://www.webmath.com/index4.html">http://www.webmath.com/index4.html</a>

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## Science

Title	Description	Web Site Link	
Audio Science Books	Science Leveled Readers with Audio and Text (K-8)	<a href="http://www.d11.org/DOI/science/audiobooksonscience.htm">http://www.d11.org/DOI/science/audiobooksonscience.htm</a>	
Celestia *downloaded program	Real-time 3D space simulation featuring a database of over 100000 stars, nearly a hundred solar system, objects, and a complete catalog of stars, galaxies, planets, moons, asteroids, comets, and spacecraft.	<a href="http://www.shatters.net/celestia/">http://www.shatters.net/celestia/</a>	
Ecology Lab	Interact with producers and the food web. Includes a producer/food web simulator	<a href="http://www.learner.org/courses/envsci/interactives/ecology/">http://www.learner.org/courses/envsci/interactives/ecology/</a>	
learner.org	Amusement Park Physics	Interactive way to learn about the laws of physics and how they play a role in amusement parks. Students have a chance to design a roller coaster, for grades 9-12	<a href="http://www.learner.org/interactives/parkphysics/index.html">http://www.learner.org/interactives/parkphysics/index.html</a>
	DNA	Learn about genetics, human genome, DNA discovery, etc. Interactive self-check items included in tutorials as well. For grades 9-12	<a href="http://www.learner.org/interactives/dna/index.html">http://www.learner.org/interactives/dna/index.html</a>
	Dynamic earth	Read through and interact with the earth's structure, plate tectonics, etc. and testing skills. For grade 6-9	<a href="http://www.learner.org/interactives/dynamicearth/index.html">http://www.learner.org/interactives/dynamicearth/index.html</a>
	The Periodic Table	Read about the development of the periodic table, what the symbols and numbers represent, and then participate in an interactive self-check at the end. For grades 9-12	<a href="http://www.learner.org/interactives/periodic/basics.html">http://www.learner.org/interactives/periodic/basics.html</a>
	Ecology Lab	Interact with producers and the food web. Includes a producer/food web simulator. For grades 5-12	<a href="http://www.learner.org/courses/envsci/interactives/ecology/">http://www.learner.org/courses/envsci/interactives/ecology/</a>
	The Rock Cycle	Learn about types of rocks, how rocks change, and participate in an interactive self-check at the end. For grades 6-9	<a href="http://www.learner.org/interactives/rockcycle/index.html">http://www.learner.org/interactives/rockcycle/index.html</a>
PBS Labs	Interactive educational labs with simulations for Forces and Motion, Materials, Weight, and Shapes	<a href="http://www.pbs.org/wgbh/buildingbig/lab/index.html">http://www.pbs.org/wgbh/buildingbig/lab/index.html</a>	
NASA	Space exploration games	<a href="http://spaceplace.nasa.gov/en/kids/games.shtml">http://spaceplace.nasa.gov/en/kids/games.shtml</a>	

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## Social Studies

Title	Description	Web Site Link
10x10	Worldwide current events updated hourly	<a href="http://www.tenbyten.org/10x10.html">http://www.tenbyten.org/10x10.html</a>
50 States	Great resource for US state research projects	<a href="http://www.50states.com/">http://www.50states.com/</a>
Altapedia: Countries	Electronic almanac with country statistics and various maps.	<a href="http://www.altapedia.com/online/country_index.htm">http://www.altapedia.com/online/country_index.htm</a>
America's Library	Educational resources from the Library of Congress	<a href="http://www.americaslibrary.gov/">http://www.americaslibrary.gov/</a>
Current Events	Digital news stories for students to keep up on current events	<a href="http://www.socialstudiesforkids.com/subjects/currentevents.htm">http://www.socialstudiesforkids.com/subjects/currentevents.htm</a>
Geography Quiz	Online point and click interactive quizzes on US states, Canada, Europe, and more	<a href="http://www.lizardpoint.com/fun/geoquiz/index.html">http://www.lizardpoint.com/fun/geoquiz/index.html</a>
Maps	Various interactive maps for all ages	<a href="http://www.maps.com/FunFacts.aspx">http://www.maps.com/FunFacts.aspx</a>
New York Times on Web Learning Network	News targeted for students in grades 6-12. Includes articles, quizzes, etc	<a href="http://learning.blogs.nytimes.com/">http://learning.blogs.nytimes.com/</a>
Placespotting	Create your own game or use one of their pre-made map quizzes, for grades 9-12	<a href="http://www.placespotting.com">http://www.placespotting.com</a>

## Additional Resources

Title	Description	Web Site Link
Byte Back Typing Tutorials	Free online typing course with 15 lessons, a final test, and advanced lessons.	<a href="http://www.byteback.org/typing/howtotype.php">http://www.byteback.org/typing/howtotype.php</a>
Class Blogmeister	Free blogging tool that allows teachers to set up classes and approve posts before they are published and they can protect blogs from outside viewing. For all grade levels	<a href="http://classblogmeister.com">http://classblogmeister.com</a>
Google Docs	Online collaboration for all grade levels	docs.google.com
Graphic Organizers	Printable Graphic Organizers	<a href="http://www.eduplace.com/graphicorganizer/">http://www.eduplace.com/graphicorganizer/</a>
Information You Can Trust	Online resource of a merger with the Internet Public Library (IPL) and the Librarians' Internet index (LII). Resources for all subjects.	<a href="http://www.ipl.org/div/kidspace/">http://www.ipl.org/div/kidspace/</a>
Intervention Central	Intervention strategies for Reading and Math *For teacher research and printable resources*	<a href="http://www.interventioncentral.org/index.php/academic-resources">http://www.interventioncentral.org/index.php/academic-resources</a>
Sense-Lang Courses	Free online typing course with 15 lessons and an option to enter your own text.	<a href="http://www.sense-lang.org/typing/tutor/index.php?lang=EN">http://www.sense-lang.org/typing/tutor/index.php?lang=EN</a>
Sense-Lange Games	Typing games with practice on letter recognition and spelling words	<a href="http://www.sense-lang.org/typing/games/index.php?lang=EN">http://www.sense-lang.org/typing/games/index.php?lang=EN</a>
UNCW Ed Games	Educational Game Templates using PowerPoint, Excel, and Word. GREAT for EOG review.	<a href="http://uncw.edu/edgames">http://uncw.edu/edgames</a>