

Web 2.0 Practical Applications for K-6 Classrooms

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Reading/Language Arts Resources

Title	Description	Web Site Link
Adlibs	Insert parts of speech and read the story, story changes	http://www.sundhagen.com/babbooks/adlib.cgi
Alan Cooper's Homonym List	Exhaustive list of homonyms	http://www.cooper.com/alan/homonym_list.html
Amazing Adventure Series	A journey of imagination for K-6 with online stories, poems, and captioned movies	http://www.tosiproductions.com/amazingadventure/index_fl.asp
Dolch from Spelling City	Interactive Dolch lists for Pre-K to 3 rd Grade	http://www.spellingcity.com/dolch-words.html
Education World Nonfiction Text	Online and printable current events written in students-friendly format	http://www.educationworld.com/a_lesson/archives/newsforyou.shtml
Elements of a Story	Explore story development, interact with story details, self check applications, create a story of your own	http://www.learner.org/interactives/story/index.html
Free Rice	Online vocabulary and grammar practice, earn grains of rice for every correct answer.	http://www.freerice.com/
Internet4Classrooms	Phonics, Reading, and grammar practice. Sorted by grade level: K-8 th grade. GREAT for EOG prep	http://www.internet4classrooms.com/skill_builders/cause_effect_language_arts_fourth_4th_grade.htm
Literacy Center	Pre-K or Foreign Language Use (Spanish, Dutch, and French)	http://www.literacycenter.net/lessonview_en.php#
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.	http://eduscapes.com/ladders/themes/webquests.htm
Power Proofreading	K-8 th grade passages with grammatical errors, students read through and correct errors	http://www.eduplace.com/kids/hme/k_5/proofread/proof.htm
Read, Write, Think	Online literacy learning interactive tools K-12	http://www.readwritethink.org/classroom-resources/student-interactives/
Spelling Bee	Spelling 'test' through fill-in-the-blank stories. Grading results are immediate.	http://www.learner.org/interactives/spelling/index.html
Starfall	Early years (Pre-K to 1) phonics practice	http://www.starfall.com/
Storyline Online	Online streaming video program with celebrities reading children's books aloud. Text is included.	http://www.storylineonline.net/
Storynory	Online text with audio for guided reading practice. New stories are added every week.	http://storynory.com/
Tumblebooks	Online books with text and audio, through Cumberland County Library	http://www.tumblebooks.com/library/asp/home_tumblebooks.asp

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Math Resources

Title	Description	Web Site Link
Algebra help	Lesson ideas; worksheets; calculators; step-by-step practice; additional resources	http://www.algebrahelp.com/
Arcademic Skill Builder	Educational games that are arcade-oriented but focus on educational value. Math skills include addition, subtraction, multiplication, division, integers, fractions and ratios. Level difficulty increases over time.	http://www.arcademicskillbuilders.com/
Fractions	Enter the correct fraction for the number of shaded pie wedges	http://www.vectorkids.com/vkfractions.htm
Free Rice	Online Multiplication and basic math facts practice, earn grains of rice for every correct answer.	http://www.freerice.com/category
Geometry 3D shapes	For grades 5-8 to learn about shape properties and etc. – pictures available	http://www.learner.org/interactives/geometry/index.html
Harcourt	K-8 interactive math resources that align with Harcourt math series, but applicable to NCSCOS as well	http://www.harcourtschool.com/menus/auto/13/5.html
Internet4Classrooms	Numbers and Operations, Algebra, Geometry and Measurement, and Data Analysis. Sorted by grade level: K-8 th grade. GREAT for EOG prep.	http://www.internet4classrooms.com/skills-2nd-mathbuilders.htm
IXL	Pre-K through 8 th grade online skill practice	http://www.ixl.com/
Kids Zone	Create graphs online – print available. Graph options include: Bar, Line, area, Pie, Coordinate Plane	http://nces.ed.gov/nceskids/createagraph/
Matching Equivalent Fractions	Find equivalent fractions and beat the timer to continue to the next level	http://www.sheppardsoftware.com/mathgames/fractions/memory_equivalent1.htm
Math League	4 th through 8 th grade homework help – offers examples for solving math problems based on math topics ranging from fractions to geometry	http://www.mathleague.com/help/help.htm
Mean, Median, and Mode	Organize the heights of buildings to find the mean, median, and mode	http://www.bbc.co.uk/schools/ks2bitesize/maths/data/mode_median_mean/play.shtml
Money Counting on Funbrain	Students are essentially the cashier and must determine how much change a customer should receive for the item purchased and amount paid	http://www.funbrain.com/cashreg/index.html
National Library of Virtual Manipulatives	This is a library of interactive, web-based virtual manipulatives for K-12 Math learning	http://nlvm.usu.edu/en/nav/vlibrary.html
Stop the Clock	Students drag five digital times to the correct analogue clock. Their work time is recorded.	http://www.oswego.org/ocsd-web/games/stoptheclock/sthec3.html
Two-digit Addition	Match the equation with the correct answer to reveal a square of an image	http://www.dositey.com/addsub/mystery2A.htm
Web Math	K-12 Resources for math including K-8, Algebra, Plots & Geometry, Trigonometry, Calculus, and etc.	http://www.webmath.com/index4.html

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Science

Title	Description	Web Site Link
Audio Science Books	Science Leveled Readers with Audio and Text (K-8)	http://www.d11.org/DOI/science/audiobooksonscience.htm
BBC Science	Interactive games for K-5, follows closely with standards	http://www.bbc.co.uk/schools/scienceclips/ages/5_6/science_5_6.shtml
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.	http://www.shatters.net/celestia/
Ecology Lab	Interact with producers and the food web. Includes a producer/food web simulator	http://www.learner.org/courses/envsci/interactives/ecology/
NASA	Space exploration games	http://spaceplace.nasa.gov/en/kids/games.shtml
PBS Labs	Interactive educational labs with simulations for Forces and Motion, Materials, Weight, and Shapes	http://www.pbs.org/wgbh/buildingbig/lab/index.html
Scholastic: Magic School Bus	Various interactive games ranging from bugs to weather to space	http://www.scholastic.com/magicschoolbus/games/index.htm

Social Studies

Title	Description	Web Site Link
10x10	worldwide current events updated hourly	http://www.tenbyten.org/10x10.html
50 States	Great resource for US state research projects	http://www.50states.com/
Altapedia: Countries	Electronic almanac with country statistics and various maps.	http://www.atlapedia.com/online/country_index.htm
America's Library	educational resources from the Library of Congress	http://www.americaslibrary.gov/
Current Events	Digital news stories for students to keep up on current events	http://www.socialstudiesforkids.com/subjects/currentevents.htm
Geography Quiz	Online point and click interactive quizzes on US states, Canada, Europe, and more	http://www.lizardpoint.com/fun/geoquiz/index.html
Kids.gov	Online research topics in student friendly text	http://www.kids.gov/k_5/k_5_social.shtml
Maps	Various interactive maps for all ages	http://www.maps.com/FunFacts.aspx

Additional Resources

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