

INTERACTIVE WEB SITES
Cheryl Benson & Leslie Carroll - MassCUE 11/15/07

MATH

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

EEXAMPLES INTERACTIVE ACTIVITIES - for teachers: explains the activities & gives age groups

<http://standards.nctm.org/document/eexamples>

Interactive Geoboard

<http://standards.nctm.org/document/eexamples/chap4/4.2/part2.htm#applet>

Interactive Pattern Maker

<http://standards.nctm.org/document/eexamples/chap4/4.1/index.htm#applet>

Ladybug Maze

<http://standards.nctm.org/document/eexamples/chap4/4.3/Part3.htm#applet>

Hiding Ladybug

<http://standards.nctm.org/document/eexamples/chap4/4.3/index.htm#applet>

Tangram Puzzles

<http://standards.nctm.org/document/eexamples/chap4/4.4/index.htm#applet>

Tangrams Applet

<http://standards.nctm.org/document/eexamples/chap4/4.4/part2.htm#applet>

Number Patterns

<http://standards.nctm.org/document/eexamples/chap4/4.5/index.htm#applet>

Fraction Track

<http://standards.nctm.org/document/eexamples/chap5/5.1/index.htm#applet>

ILLUMINATIONS

K-2 Activity Index

<http://illuminations.nctm.org/Activities.aspx?grade=1>

3-5 Activity Index

<http://illuminations.nctm.org/Activities.aspx?grade=2>

6-8 Activity Index

<http://illuminations.nctm.org/Activities.aspx?grade=3>

9-12 Activity Index

<http://illuminations.nctm.org/Activities.aspx?grade=4>

ARCYTECH - Java Applets

Pattern blocks

<http://arcytech.org/java/patterns/>

Base 10 Blocks

<http://arcytech.org/java/b10blocks/>

Cuisenaire Rods

<http://arcytech.org/java/integers/integers.html>

Fraction Bars

<http://arcytech.org/java/fractions/>

LIBRARY OF VIRTUAL MANIPULATIVES

<http://nlvm.usu.edu/en/nav/vlibrary.html>

AAA MATH - Instruction, practice and games for all math topics

<http://www.aaamath.com/B/index.htm>

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BBC MATH ACTIVITIES - Site is divided into Skillswise and Schools areas. The Schools area is divided into 3 levels - KS1 for ages 4-7, KS2 for ages 7-11 and KS3 for ages 11-16.

Skillswise Whole Numbers - operations, times tables, multiples & factors, place value, rounding & estimating, writing big numbers, negative numbers, ratio & proportion

<http://www.bbc.co.uk/skillswise/numbers/wholenumbers/>

Skillswise Handling Data - averages, probability, graphs

<http://www.bbc.co.uk/skillswise/numbers/handlingdata/>

Skillswise Measures, Shapes and Space - 2D shapes, perimeter, area, volume, time, money, temperature. (Note that this site is from the UK so money will be in pounds and liquid measures in litres.)

<http://www.bbc.co.uk/skillswise/numbers/measuring/>

Skillswise Fractions, Decimals & Percents - introduction, simplifying & comparing fractions, finding parts, comparing all

<http://www.bbc.co.uk/skillswise/numbers/fractiondecimalpercentage/>

Skillswise Games Page

<http://www.bbc.co.uk/skillswise/games/>

Primary (Ages 4-11) Numeracy

http://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml

Secondary (Ages 11-16) - Math Games

<http://www.bbc.co.uk/education/mathsfile/gameswheel.html>

KS1 Bitesize Numeracy

<http://www.bbc.co.uk/schools/ks1bitesize/numeracy/>

KS2 Bitesize Math

<http://www.bbc.co.uk/schools/ks2bitesize/maths/>

KS3 Bitesize Math

<http://www.bbc.co.uk/schools/ks3bitesize/maths/>

MATHDOODLES

<http://www.carstensstudios.com/mathdoodles/mathdoodles.htm>

NUMBERNUT

Basic activities - shapes, numbers, operations, dates/times

<http://www.numbernut.com/basic/activities/index.shtml>

Advanced activities - fractions, decimals, percents, ratios, estimates/rounding, money

<http://www.numbernut.com/advanced/activities/index.shtml>

MATH PLAYGROUND

Computation Practice - multiplication, division, fractions, percents

<http://www.mathplayground.com/computation.html>

Math Games

<http://www.mathplayground.com/games.html>

Word problems

<http://www.mathplayground.com/wordproblems.html>

Logic problems

<http://www.mathplayground.com/logicgames.html>

SCHOLASTIC MATH MAVENS

<http://teacher.scholastic.com/maven/index.htm>

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MATH HUNT

<http://teacher.scholastic.com/mathhunt/>

SPREADSHEET NC

<http://www.ncwiseowl.org/kscope/techknowpark/FreeFall/ShoppingSpree.html>

JUST IN TIME - time & calendar activities

<http://www.fi.edu/time/Journey/JustInTime/contents.html>

MATH IS FUN - math & logic puzzles

<http://www.mathsisfun.com/puzzles/index.html>

COUNT US IN - early math games

<http://www.abc.net.au/countusin/games.htm>

EDUCATION PLACE BRAIN TEASERS

<http://www.eduplace.com/math/brain/index.html>

CYBERCHASE BAR GRAPHS

<http://pbskids.org/cyberchase/games/bargraphs/bargraphs.html>

FUNBRAIN MATH ARCADE

www.funbrain.com/brain/MathBrain/MathBrain.html

RAINFOREST MATHS

<http://www.rainforestmaths.com/>

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SOCIAL STUDIES

GEOGRAPHY

AAA Where - US & World Geography Games

<http://www.aaawhere.com/>

Owl & Mouse Interactive Maps

<http://www.yourchildlearns.com/geography.htm>

GeoNet - Education Place geography game

<http://www.eduplace.com/geonet/>

Miss Maggie - GeoSpy game: continents, countries, states

<http://www.missmaggie.org/>

BEN'S GUIDE TO US GOVERNMENT - choose grade level and "Games and Activities"

<http://bensguide.gpo.gov/>

COLONIAL WILLIAMSBURG

A Day in the Life

<http://www.history.org/History/teaching/Dayseries/webactivities/index.htm>

Dress the Part - clothing

<http://www.history.org/History/teaching/Dayseries/webactivities/dress/dress.htm>

Colonial History - people & events

<http://www.history.org/kids/index.cfm>

Williamsburg Games Page

<http://www.history.org/kids/games/>

Trades

<http://history.org/Almanack/life/trades/tradehdr.cfm>

SMITHSONIAN MUSEUM OF AMERICAN HISTORY

You Be The Historian

<http://americanhistory.si.edu/kids/springer/>

America on the Move - Transportation History

<http://americanhistory.si.edu/onthemove/games/>

Buffalo Hide Painting

<http://www.americanhistory.si.edu/kids/buffalo/hideactivity/>

Building a Sod House

<http://americanhistory.si.edu/ourstoryinhistory/tryonline/buildsodhouse.html>

JAMESTOWN

Jamestown Online Adventure

<http://www.historyglobe.com/jamestown/>

National Geographic - Explore Jamestown

<http://magma.nationalgeographic.com/ngm/jamestown/>

On the Trail of Captain John Smith

<http://kids.nationalgeographic.com/Games/InteractiveAdventures/John-smith>

PLIMOUTH PLANTATION - You Are the Historian

http://www.plimoth.org/education/olc/index_js2.html

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CONSTITUTION

Celebrate The Constitution

http://teacher.scholastic.com/scholasticnews/indepth/constitution_day/

Interactive Bill of Rights

<http://www.constitutioncenter.org/explore/ForKids/index.shtml>

NATIONAL GEOGRAPHIC - Go West with Lewis & Clark

<http://www.nationalgeographic.com/west/>

MEET THE DAGGETTS

<http://www.hfmgv.org/education/smartfun/colonial/intro/intro.html>

PATHWAYS TO FREEDOM - Following the Footsteps

<http://pathways.thinkport.org/following/>

PBSKIDS

Way Back America

Presidents

<http://pbskids.org/wayback/prez/index.html>

Gold Rush

<http://pbskids.org/wayback/goldrush/index.html>

Discrimination

<http://pbskids.org/wayback/fair/index.html>

Family Ties

<http://pbskids.org/wayback/family/index.html>

Civil Rights

<http://pbskids.org/wayback/civilrights/index.html>

A Day In The Life - 19th century children: African American, Native American Irish immigrant, Frontier girl

http://pbskids.org/stantonanthony/day_in_life.html

The Democracy Project - President for a Day,

<http://pbskids.org/democracy>

AT HOME IN THE HEARTLAND

<http://www.museum.state.il.us/exhibits/athome/>

THE LIBRARY OF CONGRESS - America's Story

<http://www.americaslibrary.gov/cgi-bin/page.cgi>

IDITAROD - Interactive Trail Map

<http://www.iditarod.com>

MEXICO FOR KIDS

http://www.elbalero.gob.mx/index_kids.html

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SCIENCE

BBC SCIENCE ACTIVITIES

Primary (Ages 4-11) Science

http://www.bbc.co.uk/schools/websites/4_11/site/science.shtml

KS2 - Bitesize Science

<http://www.bbc.co.uk/schools/ks2bitesize/science/>

KS3 Bitesize Science - Biology, Chemistry, Physics

<http://www.bbc.co.uk/schools/ks3bitesize/science/>

What is Weather?

<http://www.bbc.co.uk/schools/whatisweather/>

Science Clips (Ages 5-7)

http://www.bbc.co.uk/schools/scienceclips/index_flash.shtml

Science Quizzes (Ages 5-11)

http://www.bbc.co.uk/schools/scienceclips/quiz/quiz_ages5_6.shtml

ADAPTATIONS

Bird Beaks

http://www.normanbirdsanctuary.org/beak_adaptations.shtml

Bird Feet

http://www.normanbirdsanctuary.org/feet_adaptations.shtml

Seeing Through Camouflage - grid game

<http://www.pbs.org/wgbh/nova/leopards/seeinggame.html>

Seeing Through Camouflage - multiple choice

<http://www.pbs.org/wgbh/nova/leopards/seeingsans.html>

Build a fish

<http://sv.berkeley.edu/showcase/flash/fish.html>

EcoKids adaptation game

http://www.ecokids.ca/pub/eco_info/topics/climate/adaptations/index.cfm

Camouflage field book

<http://www.harcourtschool.com/activity/camouflage/camouflage.html>

Galapagos

<http://teacher.scholastic.com/activities/explorations/adaptation/index.htm>

MAGIC SCHOOL BUS GAMES

Monster Bugs

<http://scholastic.com/magicschoolbus/games/bugs/index.htm#>

The Adventures of Weather Lizard

<http://scholastic.com/magicschoolbus/games/weather/index.htm>

The Great Habitat Match

<http://scholastic.com/magicschoolbus/games/habitat/index.htm>

Gets an Earful - Sounds

<http://scholastic.com/magicschoolbus/games/sound/index.htm>

Blows Its Top - volcanoes

<http://scholastic.com/magicschoolbus/games/sound/index.htm>

Maze Craze - plants & animals

<http://scholastic.com/magicschoolbus/games/colgate/index.htm>

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NATIONAL GEOGRAPHIC

Wildlife Filmmaker

<http://animals.nationalgeographic.com/animals/article/filmmaker.html?nav=DL1>

Discover Antarctica

<http://www7.nationalgeographic.com/ngm/antarctica/index.html>

WEATHER

Web Weather for Kids

<http://eo.ucar.edu/webweather/index.html>

Scholastic Weather Watch

<http://teacher.scholastic.com/activities/wwatch/>

Edheads Weather Activities

<http://www.edheads.org/activities/weather/index.htm>

AccuWeather Games

<http://www.accuweather.com/kids/kids-games.asp>

Mount Washington Observatory - Weather Discovery Center Quizzes

<http://www.mountwashington.org/education/center/quiz/>

Funbrain Weatherdog Quizzes

<http://www.funbrain.com/weather/index.html>

Weather Proverbs Quiz

<http://www.factmonster.com/quizzes/weatherprov/1.html>

Weather Quizzes

<http://www.wildwildweather.com/quiz.htm>

SIMPLE MACHINES

University of Utah - Simple & Complex Machines

<http://sunshine.chpc.utah.edu/javalabs/java12/machine/index.htm>

Edheads - Simple Machines Activities

<http://www.edheads.org/activities/simple-machines/>

Museum of Science - Leonardo's Mysterious Machinery

<http://www.mos.org/sln/Leonardo/LeosMysteriousMachinery.html>

Quia Quiz

http://www.quia.com/servlets/quia.activities.common.ActivityPlayer?AP_rand=1999208427&AP_activityType=3&AP_urlId=110999&AP_continuePlay=true110999

Mikids Pulleys

<http://www.mikids.com/SimpleMachines/DD/Pulleys.htm>

FOSS SCIENCE - Middle School requires teacher login

Grades K-2 Activities

<http://www.fossweb.com/modulesK-2/index.html>

Grades 3-6 Activities

<http://www.fossweb.com/modules3-6/index.html>

ROCK HOUNDS

<http://www.fi.edu/fellows/fellow1/oct98//index2.html>

FUN WITH FOOD WEBS - meadow, arctic or pond

http://www.harcourtschool.com/activity/food/food_menu.html

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CREATE A FOOD WEB

<http://www.vtaide.com/png/foodchains.htm>

BUILD A PRAIRIE

<http://www.bellmuseum.org/distancelearning/prairie/build/index.html>

THE WATERSHED GAME

<http://www.bellmuseum.org/distancelearning/watershed/watershed2.html>

SHAPPARD SOFTWARE

Animal Games

http://www.sheppardsoftware.com/content/animals/kidscorner/kidscorner_games.htm

Animal Classification

http://www.sheppardsoftware.com/content/animals/kidscorner/classification/kc_classification_main.htm

SWITCHEROO ZOO

<http://switchzoo.com/activities.htm>

PROJECT SHODOR INTERACTIVATE

<http://www.shodor.org/interactivate/activities/>

HEALTH

NUTRITION EXPLORATIONS ACTIVITIES

<http://www.nutritionexplorations.org/kids/activities-main.asp>

USDA - My Pyramid Blast Off

http://www.mypyramid.gov/kids/kids_game.html

PBSKIDS LUNCH-O-MATIC

<http://pbskids.org/arthur/games/lunchomatic>

SMALLSTEP KIDS ACTIVITIES

http://www.smallstep.gov/kids/flash/games_and_activities.html

PACIFIC SCIENCE CENTER - Nutrition Cafe

http://www.exhibits.pacsci.org/nutrition/noflash_nutrition.html

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LANGUAGE ARTS

AAA SPELL - Spelling practice with your own list or theirs
<http://www.aaspell.com>

POWER PROOFREADING - find the errors
http://www.eduplace.com/kids/hme/k_5/proofread/

BBC ELA ACTIVITIES - Site is divided into Skillswise and Schools areas. The Schools site has 3 levels - KS1 for ages 4-7, KS2 for ages 7-11 and KS3 for ages 11-16.

Grammar - adjectives, adverbs, apostrophes, commas, subject-verb agreement, tenses, sentences, double negatives

<http://www.bbc.co.uk/skillswise/words/grammar/>

Spelling - roots, prefixes, suffixes, homophones, syllables, confusing words, letter patterns, silent letters, plurals

<http://www.bbc.co.uk/skillswise/words/spelling/>

Reading - types of text, fact & opinion, scanning, summarizing

<http://www.bbc.co.uk/skillswise/words/reading/>

Writing - planning, proofreading, paragraphs, format & structure

<http://www.bbc.co.uk/skillswise/words/writing/>

KS1 Bitesize Literacy Games - Phonics, Rhyming, ABC Order, Spelling, Pronouns, Conjunctions, Synonyms, Punctuation, Sentences

<http://www.bbc.co.uk/schools/ks1bitesize/literacy/>

KS2 Bitesize English - Reading, Writing, Spelling & Grammar

<http://www.bbc.co.uk/schools/ks2bitesize/english/>

KS3 Bitesize English - Reading, Writing, Shakespeare

<http://www.bbc.co.uk/schools/ks3bitesize/english/>

READ/WRITE/THINK - Student Materials: interactive tools for literacy learning
http://www.readwritethink.org/student_mat/index.asp

WACKY WEB TALES
<http://www.eduplace.com/tales/>

SPELLING MATCH - based on Houghton Mifflin spelling program but still good practice for any student
<http://www.eduplace.com/kids/sv/books/content/smg/>

CREATE YOUR SCENARIO - write a play
<http://www.kids-space.org/HPT/1a/11a.html>

ROAD TO GRAMMAR - quizzes and puzzles
<http://www.roadtogrammar.com/welcome/>

GRAMMAR GORILLAS - Parts of speech: Beginner (nouns & verbs) and Advanced (everything)
<http://www.funbrain.com/grammar/index.html>

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POETRY IDEA ENGINE

http://teacher.scholastic.com/writewit/poetry/poetry_engine.htm#

FLASHLIGHT READERS

http://teacher.scholastic.com/activities/flashlightreaders/K_landingPage.asp

READING IS FUNDAMENTAL GAMES - join for free

<http://www.nif.org/readingplanet/gamestation/>

WORD TURTLE - play theirs or make your own word search puzzle

<http://www.funbrain.com/detect/index.html>

WORD GIRL

<http://pbskids.org/wordgirl/>

CROSS CURRICULAR

UTAH EDUCATION NETWORK

K-2 Interactives

<http://www.uen.org/k-2interactives/index.shtml>

3-6 Interactives

<http://www.uen.org/3-6interactives/index.shtml>

7-12 Interactives

<http://www.uen.org/7-12interactives/index.shtml>

BBC DANCE MAT TYPING

<http://www.bbc.co.uk/schools/typing/>

BBC DIGGER & THE GANG GAMES

Math, Science and ELA activities

<http://www.bbc.co.uk/schools/digger/>

PBSKIDS INDEX TO ALL ACTIVITIES

<http://pbskids.org/go>

FUNBRAIN KIDS CENTER

<http://www.funbrain.com/kidscenter.html>

MICROSOFT LIVE SEARCH CLUB

http://club.live.com/all_games.aspx

Cheryl's DAILY CHALLENGES Collection

<http://center.nrsd.net/dailychallenges.php>

Leslie's DAILY CHALLENGES Collection

<http://rowlandson.nrsd.net/links.php#today>

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EARLY LEARNING

STARFALL - early literacy

<http://www.starfall.com/>

PBS KIDS CURIOUS GEORGE GAMES - colors, math, matching

<http://pbskids.org/curiousgeorge/games/>

ARTHURS GAME PAGE

<http://pbskids.org/arthur/games/index.html>

CLIFFORD INTERACTIVE STORYBOOKS

<http://teacher.scholastic.com/clifford1/index.htm>

BERENSTAIN BEARS STORY TIME

<http://pbskids.org/berenstainbears/games/story/index.html>

BOBBIE BEAR'S OUTFITS

<http://illuminations.nctm.org/ActivityDetail.aspx?ID=3>

NINA LANGUAGE BUILDING

<http://teacher.scholastic.com/activities/bll/nina/index.htm>

PBS KIDS GAMES

<http://pbskids.org/games>

LULU'S GAMES

From 4 years old

<http://pagesperso-orange.fr/jeux.lulu/english.htm#jeux%20ma>

From 7 years old

<http://pagesperso-orange.fr/jeux.lulu/english.htm#jeux%20pr>

FUNBRAIN - Moms & Kids Playground

<http://www.funbrain.com/brain/SweepsBrain/sweepsbrain.html>

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ART

NATIONAL GALLERY OF ART KIDS - The Art Zone
<http://www.nga.gov/kids/zone/zone.htm>

ARTIST'S TOOLKIT
<http://www.artsconnected.org/toolkit/>

MUSEUM OF MODERN ART - Destination Modern Art
<http://www.moma.org/destination/>

NATIONAL GALLERY OF ART - tools to create art online
<http://www.nga.gov/kids/zone/zone.htm>

MUSIC

SN FRANCISCO SYMPHONY - Fun With Music
<http://www.sfskids.org/templates/splash.asp>

CREATING MUSIC
<http://www.creatingmusic.com/>

DALLAS SYMPHONY ORCHESTRA - Game Room
<http://www.dsokids.com/2001/rooms/games.html>

VIRTUAL KEYBOARD
http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/music/piano/index.htm

NEW YORK PHILHARMONIC - Game Room
<http://www.nyphilkids.org/games/main.phtml?>

CLASSICS FOR KIDS
<http://www.classicsforkids.com/games/>