

4th Grade – Student Resources

Math

- **Numbers and Operations in Base Ten**

- Place Value Golf: http://www.toonuniversity.com/aol/3m_placv.swf
- Place Value to Ten Thousand:
<http://www.kidsmathgamesonline.com/numbers/placevalues.html>
- Place Value Hockey: http://www.abcya.com/place_value_hockey.htm
- Place Value Pirates: <http://mrnussbaum.com/placevaluepirates1/>
- Number Sense: <http://pbskids.org/cyberchase/math-games/number-sense/>
- Base Ten Bingo: http://www.abcya.com/base_ten_bingo.htm
- Expanded Notation Pac Man:
http://www.sheppardsoftware.com/mathgames/placevalue/mathman_place_exp.htm
- Expanded and Standard Notation: http://www.aaamath.com/B/g21d_px1.htm#section2

- **Number and Operations – Fractions**

- Fraction, Decimal and Percent Game:
<http://www.mathplayground.com/Decention/Decention.html>
- Matching Equivalent Fractions:
http://www.sheppardsoftware.com/mathgames/fractions/memory_equivalent1.htm
- Comparing Fractions:
http://www.sheppardsoftware.com/mathgames/fractions/Balloons_fractions1.htm
- Convert Improper to Mixed Number Fraction:
http://www.sheppardsoftware.com/mathgames/fractions/mathman_improper_fractions.htm
- Fraction Addition Unlike Denominators:
http://www.sheppardsoftware.com/mathgames/fractions/mathman_fractions_add_uncommon.htm
- Virtual Decimal Tiles: http://www.abcya.com/decimal_tiles.htm
- Fraction Fling: http://www.abcya.com/fraction_fling.htm
- Equivalent Fractions: <http://illuminations.nctm.org/Activity.aspx?id=3510>

- **Operations and Algebraic Thinking**

- Function Machine: http://teams.lacoe.edu/documentation/classrooms/amy/algebra/3-4/activities/functionmachine/functionmachine3_4.html
- Fishy Multiplication: <http://www.multiplication.com/games/play/fish-shop>
- Flying High with Fact Families: <http://www.multiplication.com/games/play/flying-high>
- Cargo Security Division Game: <http://www.fun4thebrain.com/Division/cargo.html>
- Math Match Multiplication and Division: http://www.abcya.com/math_match.htm
- Crazy Taxi Multiples Game: <http://www.coolmath-games.com/0-crazy-taxi-m12/>

- Multiple Frenzy: http://www.sheppardsoftware.com/mathgames/multiple/multiple_frenzy.htm
- Snork's Long Divisions: <http://www.kidsnumbers.com/long-division.php>
- Least Common Multiple: <http://e-learningforkids.org/Courses/EN/M1105/>
- Greatest Common Factor Fruit Shoot: <http://www.sheppardsoftware.com/mathgames/fractions/GreatestCommonFactor.htm>
- Prime and Composite Monkey Drive Game: <http://www.sheppardsoftware.com/mathgames/monkeydrive/numbers/MDPrimeNumbers.htm>
- Greatest Common Factor: <http://e-learningforkids.org/Courses/EN/M1104/>
- Ice, Ice, Maybe Estimation Game: http://www.mangahigh.com/en_us/games/iceicemaybe
- Visual Mean, Median, Mode Game: <http://www.kidsmathgamesonline.com/numbers/meanmedianmode.html>
- Rags to Riches Mean, Median, Mode and Range: <http://www.quia.com/rr/51667.html>
- Harcourt Probability: http://www-k6.thinkcentral.com/content/hsp/math/hspmath/ca/common/itools_int_9780153616334_/probability.html
- Probability Circus: http://www.hbschool.com/activity/probability_circus/
- Bobbie Bear Combination Tree: <http://illuminations.nctm.org/Activity.aspx?id=3540>
- Disguise Combos: <http://pbskids.org/cyberchase/math-games/disguise-combos/>

- **Data and Measurement**
 - Interpret Bar Graphs: http://www.softschools.com/math/data_analysis/bar_graph/activities/favourite_colors_bar_chart/
 - Metric Measurement Millionaire Game: <http://www.quia.com/rr/96635.html>
 - Metric Match: http://www.harcourtschool.com/activity/con_math/g05c14.html
 - Which Metric Measure?: <http://www.sheppardsoftware.com/mathgames/measurement/BestMeasureM.htm>
 - Which Customary Measure?: <http://www.sheppardsoftware.com/mathgames/measurement/BestMeasure2.htm>
 - Measure It with Centimeters and Inches: <http://onlineintervention.funbrain.com/measure/index.html>
 - Area and Perimeter Games: http://www.bgfl.org/custom/resources_ftp/client_ftp/ks2/maths/perimeter_and_area/index.html
 - Pac Man Elapsed Time: http://www.sheppardsoftware.com/mathgames/time/mathman_time_elapsed.htm
 - Learn to Tell Time: http://www.abcya.com/telling_time.htm

- **Geometry**

- 2D and 3D Shapes: http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/3d/index.htm
- Line Symmetry: http://www.hbschool.com/activity/show_me/e673.htm
- Transformation, Rotation and Reflection: <http://www.sciencekids.co.nz/gamesactivities/math/transformation.html>
- Catch the Fly Coordinates: http://hotmath.com/hotmath_help/games/ctf/ctf_hotmath.swf
- Bike Route: <http://pbskids.org/cyberchase/math-games/bike-route/>
- Tangrams: <http://www.abcya.com/tangrams.htm>
- Alien Angles: <http://www.mathplayground.com/alienangles.html>
- Angles: <http://www.brainpop.com/math/geometryandmeasurement/angles/>
- Vertex Edge Tool: <http://illuminations.nctm.org/Activity.aspx?id=3550>
- Harcourt Transformations: http://www.harcourtschool.com/activity/icy_slides_flips_turns/
- If the Key Fits Transformations: http://www.compasslearningodyssey.com/SAMPLE_ACT/34math_keyfits.html
- Similar and Congruent Shape Shoot: <http://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/SSCongruentSimilar.htm>

Language

- **Reading Process**
 - Constructing Prefixes: <http://www.oswego.org/ocsd-web/match/dragflip.asp?filename=jwildeprefix>
 - Prefix Match: <http://www.vocabulary.co.il/prefixes/intermediate/elementary-prefix-meaning/>
 - Harcourt Suffixes and Prefixes: http://www.harcourtschool.com/activity/book_buddy/arthur/skill.html
 - Subject Speedway: http://www.harcourtschool.com/activity/subject_speedway/index.html
 - Predicate Whirlwind: http://www.harcourtschool.com/activity/predicate_coaster2/index.html
 - Figurative Language: http://e-learningforkids.org/Courses/EN/Figurative_Language/login.htm
 - Time for Kids Figurative Language: <http://www.timeforkids.com/homework-helper/study-helper/figurative-language>
 - Parts of Speech: <http://www.learninggamesforkids.com/vocabulary-games/parts-of-speech/pronoun-proper-singular-plural.html>
 - Simple and Compound Sentences: http://www.harcourtschool.com/activity/trophies/go_for_gold/content_builder/dswmedia/g6_simple_compound_sentences/nadia.htm

- Punctuation Game: <http://www.funenglishgames.com/punctuation.swf>
- Synonym Antonym Word Toss: http://www.abcya.com/synonyms_antonyms.htm
- Word Invasion Parts of Speech: http://www.abcya.com/parts_of_speech.htm
- Break It Up Syllables: <http://www.learninggamesforkids.com/vocabulary-games/syllables/primary-math-syllables.html>
- Syllables Factory: <http://www.bbc.co.uk/skillswise/game/en01soun-game-syllables-factory>
- Prefix Match: <http://www.learninggamesforkids.com/vocabulary-games/suffixes-and-prefixes/prefix-meaning.html>
- Suffix Match: <http://www.learninggamesforkids.com/vocabulary-games/suffixes-and-prefixes/suffix-meaning.html>
- Break It Up Compound Words: <http://www.learninggamesforkids.com/vocabulary-games/compound-words/break-it-up-compound-words.html>
- In My Family Sequencing: http://www.harcourtschool.com/activity/trophies/rsr/build1/RR_e_4_18.htm
- Following Directions Sequencing: http://www.harcourtschool.com/activity/trophies/test_tutor/grade3/skill9/julian.html
- Helping Out- The Main Idea: http://www.harcourtschool.com/activity/trophies/test_tutor/grade2/skill12/helping.htm
- If You Made a Million- The Main Idea: http://www.harcourtschool.com/activity/trophies/test_tutor/grade3/skill12/million.htm
- Fiction VS Non-Fiction: <http://www.studyzone.org/testprep/ela4/i/fictionnonp1st.cfm>
- Writing Process
 - Holes: <http://www.scholastic.com/holes/>
 - Non-Fiction Play: http://www.bbc.co.uk/bitesize/ks2/english/reading/non_fiction/play/
 - Writing Strategies Video: http://e-learningforkids.org/Courses/EN/Writing_Strategies/index.html
 - Word Wall: http://www.abcya.com/word_clouds.htm

Social Studies

- National Geographic for Kids: <http://kids.nationalgeographic.com/kids/places/find/>
- States and Capitals Penguin Hop: http://www.abcya.com/us_states_and_capitals.htm
- PBS Democracy: <http://pbskids.org/democracy/>
- Aztecs, Maya and Inca: http://www.ducksters.com/history/aztec_maya_inca.php

Science

- Simple Circuits: <http://www.engineeringinteract.org/resources/siliconspies/flash/concepts/simplecircuits.htm>

- Engineering Interactive: <http://www.engineeringinteract.org/resources.htm>
- Ed Heads Simple Machines: <http://edheads.org/activities/simple-machines/>
- ABCYA Skeletal System: http://www.abcya.com/skeletal_system.htm
- Planets for Kids: <http://www.planetsforkids.org/>
- Weather Wiz Kids: <http://www.weatherwizkids.com/>
- Tree House Weather Kids: <http://urbanext.illinois.edu/treehouse/>
- Water Cycle: <http://www.sciencekids.co.nz/sciencefacts/weather/thewatercycle.html>
- Rock Formation Movie: http://e-learningforkids.org/Courses/EN/Rock_Formation/index.html
- Rocks and Soils: http://www.bbc.co.uk/schools/scienceclips/ages/7_8/rocks_soils_fs.shtml
- Build a Food Chain: http://www.ecokids.ca/pub/eco_info/topics/frogs/chain_reaction/
- Fossil Fabricator: <http://www.wonderville.ca/asset/fossil-fabricator>
- Ed Heads Weather: <http://edheads.org/activities/weather/index.shtml>
- Animal Adaptations: http://www.ecokids.ca/pub/eco_info/topics/climate/adaptations/
- Build a Fish Adaptations and Habitat: <http://sea.sheddaquarium.org/sea/buildafish/flash.html>

Technology

- **Internet Safety**
 - Internet Safety Game: <http://www.kidscomjr.com/games/safety/safety.html>
 - Bad Netiquette Stinks Video: <http://www.netsmartzkids.org/LearnWithClicky/BadNetiquetteStinks>
 - Betty's Netiquette Quiz: <http://www.carnegiecyberacademy.com/funStuff/netiquette/netiquette.html>
 - Know the Rules Video: <http://www.netsmartz.org/NetSmartzKids/KnowTheRules>
 - Tell a Trusted Adult: <http://www.netsmartz.org/NetSmartzKids/TellAnAdult>
 - Don't Open That File Video: <http://www.netsmartz.org/NetSmartzKids/TellAnAdult>
 - Beat the Tricks!: <http://www.netsmartz.org/NetSmartzKids/BeatTheTricks>
 - Digital Ethics: <http://www.netsmartz.org/NetSmartzKids/ClickysStolenSong>
 - Lesson in Pop-ups and Personal Information: <http://www.netsmartzkids.org/eBooks/DeliveryForWebster>
 - E-Learning Internet Safety Course: http://e-learningforkids.org/Courses/EN/SIU_Kids/index.html
 - Copyright: http://www.cyberbee.com/cb_copyright.htm
 - PBS Plagiarism: http://pbskids.org/video/?category=Arthur&pid=OldhxSi0jz_O9W_poSYcCjk1fvMBwcc6
- **Research**
 - How to Search the Internet: <http://www.eduplace.com/kids/usingweb/g3-5.html>
 - Cyber Sleuth Explorers: <http://cybersleuth-kids.com/sleuth/History/Explorers/>

- Ask for Kids: <http://www.ask.com/>
- Kid Rex: <http://www.kidrex.org/>
- Google Jr.: <http://www.googlejunior.com/index.php>
- Enchanted Learning: <http://www.enchantedlearning.com/Home.html>
- Explorers: http://www.kidinfo.com/american_history/explorers.html
- Grolier: http://auth.grolier.com/login/go_login_page.html?bffs=N

- **Keyboarding**
 - Type and Pop: <http://games.kidzui.com/games/172>
 - Dance Mat Typing: <http://www.bbc.co.uk/schools/typing/>
 - Keyboard Climbers: <http://www.tvokids.com/games/keyboardclimber>
 - Alpha Munchies Typing: http://www.abcya.com/kids_typing_game.htm
 - Ten Thumbs Typing Test: <http://www.tenthumbstypingtutor.com/typingtest.php>