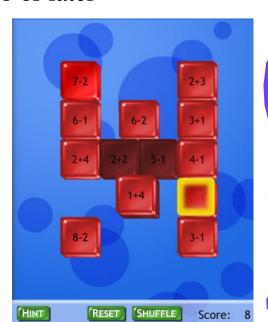


Match-Up Math

- Match your way to math success with this educationally rich app.
- In the same vein as many classic matching games, your mathematician clears tiles off the screen by matching problems and answers.
- If simple addition is too easy for your students, do not worry: *Match-Up Math* was made with longterm use and multiple grade levels in mind.
- Skills: Multiplication, Division, Decimals, Fractions, Subtraction, Addition
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later
- Price: \$2.99

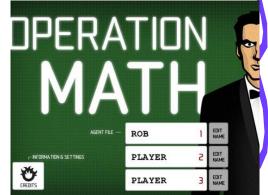




Operation Math

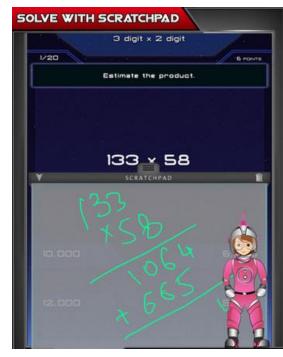
- Students must accept an addition, subtraction, multiplication or division mission to tackle. Correct answers help super spies open secret doors, defuse bombs and foil Dr. Odd's plot; answer incorrectly, however, and access will be denied.
- Exceptionally crafted missions, comic-like graphics, complex storylines, high-tech gear and new disguises, along with increasing difficulty, keep kids coming back for more.
- Comprehensive intelligence for every quest is kept in a top-secret file at headquarters—perfect for tracking math progress. The game's multi-player mode allows for one-on-one math battles for rewards, completed missions and bragging rights.
- Skills: Subtraction, Addition, Division, Multiplication
- Requirements: Compatible with iPad. Requires iOS
 4.0 or later.
- **P**rice: \$2.99





5th Grade Math: Splash Math Worksheets

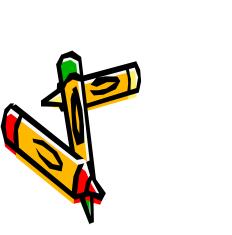
- Blast off into number space with this intergalactic math app.
- Boasting features such as a simple set-up, astronaut avatars, a multiple-choice answer format and assigned homework, *5th Grade Splash Math* is a great app for any kid's interactive library.
- Fifth graders can work independently, moving their avatar between space-themed challenges that tackle place value, algebra, multiplication, division, fractions, decimals, measurement and geometry.





5th Grade Math: Splash Math Worksheets

- Teacher Features:
 - Educators using this app in class have the option of sending student progress reports to parents, or directly back to themselves, to track their students' progress.
- Skills: Division, Multiplication, Fractions & Decimals, Number Sense
- Requirements: Compatible with iPad. Requires iOS
 4.3 or later.
- Price: Free to \$9.99
- Grade: Fifth

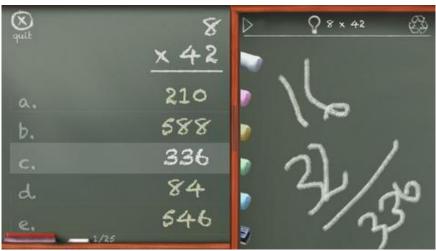




MathBoard

- With a staggering array of settings and thorough help guides, this app represents an ambitious attempt to create the preeminent math teaching tool.
- The choices do not stop at multiplication or division, cubes or squares, easy or hard.
- MathBoard is a highly configurable math app appropriate for all school aged children. Beginning in kindergarten, with simple addition and subtraction problems, through elementary school where learning multiplication and division can be a real challenge.
- The options satisfy a wide range of students and skill levels, but they can be overwhelming for students.
- MathBoard would be best used in the classroom after a math teacher has tailored the settings to a specific purpose.







MathBoard

- Teacher Features:
 - Students can save results that a teacher could later check, lending a near test-like quality to this app.
- Skills: Addition, Subtraction, Algebra, Square Roots, Exponents, Division, Fractions & Decimals, Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.0 or later.
- Price: \$4.99
 - To experience this app's versatility before dropping \$4.99 on it, try the free version, MathBoard Addition, which is limited to just addition problems but still boasts the same options and help guides.



Factor Samurai

- Players only get one chance to strike at digits flying by, which encourages budding mathematicians to keep up with fraction practice.
- Factors and prime numbers are fifth grade math staples, and often painfully dull.
- The scope of the game is narrow—exclusively factors, prime numbers and multiplication—but this skill set is critical to fifth grade math success. The super-fast pace, combined with only one chance to nail the problem, can be intimidating for beginners
- Skills: Multiplication, Prime Numbers, Factors
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3rd generation or later), and iPad. Requires iOS 5.0 or later.
- Price: \$2.99





Kids Math Fun – Fifth Grade

- For straightforward, focused drill-and-kill math practice. Kids Math Fun Fifth Grade focuses on age-appropriate problems dealing with fractions, decimals, multiplication and division, as well as more basic math.
- With its quiet "quiz" format, this app lets kids take their time and track their progress as they tackle equations. Students can set their own pace, save scores and track their own improvement.
- Teacher Features:
 - Easily share scores with the teacher or other students. The app is quiet enough for classroom use.
- Skills: Fractions & Decimals, Multiplication, Subtraction, Addition, Division
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.1.3 or later.
- Price: \$1.99



URL: https://itunes.apple.com/us/app/kids-math-fun-fifth-grade/id300633885?mt=8&ign-mpt=uo%3D4

Chicken Coop Fractions Game

- Chicken Coop Fractions Game is a fun, fast-paced game in which students must drag a nest along a number line and catch falling fraction eggs to prevent them from splattering on the ground.
- To figure out where to place the nest—and avoid making a mess out of their math eggs—students need to estimate the decimal equivalent of the fraction that's shown. There's some wiggle room (not too much) and the "accuracy" factor can be adjusted to give the coop-keepers a break. Students can choose subjects like proper or improper fractions and pick the general level of difficulty for each game.

• Teacher Features:

- There are some hints for teachers and classroom use included in the game instructions.
- Skills: Fractions & Decimals, Number Line
- Requirements: Compatible with iPhone 3GS or later, iPod (3rd generation or later), and iPad.

Requires iOS 4.0 or later.

Price: Free

URL: https://itunes.apple.com/us/app/chicken-coop-fractions-game/id484561886?mt=8&ign-mpt=uo%3D4

Everyday Mathematics Baseball Multiplication 1-12 Facts

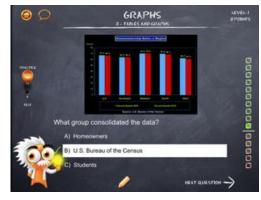
- Batter up! This app combines multiplication practice with America's favorite pastime. Cheer on your students as they go head-to-head with a friend in this competitive math game.
- As they step up to the plate, they will get a times table problem to solve. Answer correctly to get a hit—but miss and get a strike. Your little athlete will rack up runs while sharpening their mental multiplication skills.
- Skills: Multiplication
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$1.99





iTooch Math Grade 5

- iTooch Math Grade 5 is a comprehensive fifth grade app that helps students with age-appropriate math skills.
- As players master different levels, their progress is encouraged with a reward system, featuring badges and belts. Students can follow the recommended progression of levels, or bounce around dependent on their own skill, which save frustration of repeating mastered mathematical concepts and offers the chance for practice where they're struggling.
- Teacher Features:
 - This app gives children practice with the Common Core Standards, while the calculator and chalkboard features allow students to do all of their work on the iPad.
- Skills: Fractions & Decimals, Shapes, Statistics,
 Number Sense, Graphing, Measurement
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.1 or later.
- Price: \$4.99

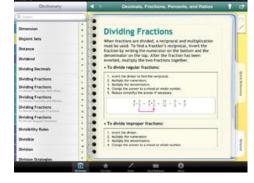


Math Dictionary for Kids for iPad

- This math dictionary has 400 terms, presented with examples. At its heart, this app provides quick review of how to tackle most math problems that might come your student's way.
- With 400 terms tackled, it's got most math covered. Subjects include measurement, algebra, geometry, fractions, decimals, statistics, probability, problem solving, and much more. This is quick reference kind of stuff—not deep instruction, but it just might help your kid make it through his homework.
- Teacher Features:
 - Works well as a reference tool for refreshing topics prior to testing.
- Skills: Division, Multiplication, Math Review
- Requirements: Compatible with iPad. Requires iOS

4.0 or later.

Price: \$2.99



Green Up

- App celebrates the earth by training the next generation of farmers.
- Starting in one of four landscapes, little sprouts learn how to nurture plants from seed to harvest, using virtual tools, seeds, fertilizer, water, wind and even bees to help pollinate their flora and fauna.



Teacher Features:

- This digital garden is ideal for group work in the classroom, as it promotes social interaction and decision-making to help plants thrive.
- Skills: Responsibility, Gardening, Plant Life Cycle, Parts of a Plant
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3rd generation or later), and iPad. Requires iOS 5.0 or later.
- Price: \$1.99





World of Goo

- In the World of Goo, tiny goo balls are looking for a safe passage through—and it's up to budding physicists to make it happen!
- This science-centered puzzle game features a slimy landscape, full of dangers for the poor sludge balls looking for safe passage to oil-slick pipes. Sound easy? Passage for the goo balls requires that players pay attention; build bridges or towers that are too narrow and the constructions will collapse.
- This complex and captivating brain game's addictive game play ensures students have fun while gaining a basic grasp of physics.
- Skills: Puzzles, Logic, Physics

Requirements: Compatible with iPhone 3GS or later, iPod touch (3rd generation or later), and iPad.

Requires iOS 3.2 or later.

Price: \$4.99

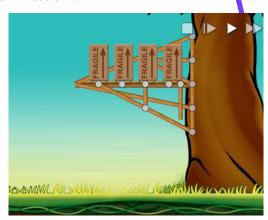


URL: https://itunes.apple.com/us/app/worldof-goo-hd/id401301276?mt=8&ignmpt=uo%3D4

Simple Physics

- Create a simple tree house or go big and construct a skyscraper that can withstand tornado-force winds. Whatever the project, students will stretch and strengthen their knowledge of physics, engineering and money math.
- Specific project specs outline the structure that little architects must build to withstand whatever is thrown at it. Be warned; piecing together structures definitely is not as easy as it looks! Design in blueprint mode and then stress-test creations to see if your building makes the grade. Points are earned for the integrity of the structure, and also for staying within project parameters.
- Skills: Money Math, Engineering, Physics
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$1.99





Kidioms

- Introduce students to idioms, figurative language and word relationships with this app.
- Kidioms kicks off by introducing various idioms, explaining the meaning and providing an example for each one. Then, students can run the gamut of games to put this new knowledge to the test in one of three activities.
- Progress is tracked, and customizable settings allow for speech effects to be turned on or off, which can help both visual and auditory learners.
- Overall, this educational, light-hearted app teaches children that if old dogs can learn new tricks, old sayings can be taught in modern ways as well.
- Skills: Idioms, Figurative Language

Requirements: Compatible with iPad. Requires iOS
 5.0 or later.

• Price: \$1.99



TenseBuilder

- Are you struggling with how to teach past, present and future tenses? Look no further—this all-in-one app includes 36 video lessons, video modeling, and the ability to record student's voices as they read sentences.
- Boasting 42 target verbs with corresponding animation, this app's many customizable features make it perfect for teaching a wide range of learners, including different options for how answers are presented.
- Teacher Features:
 - This app boasts periodic progress reports that can help teachers keep parents in the loop regarding a child's progress, or simply help educators track how their students' skills grow.
- Skills: Grammar, Phonics, Verb Tense

Requirements: Compatible with iPad. Requires iOS 5.0 or later.

Price: \$19.99

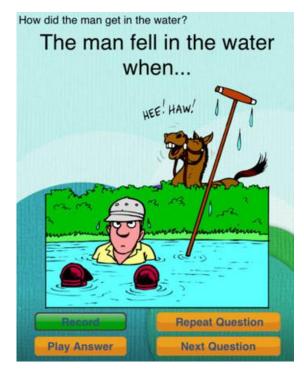


https://itunes.apple.com/us/app/tensebuilder/id427577382?mt=8



StoryBuilder

- Once upon a time ... students relied solely on teacher feedback and repetition to finally master writing paragraphs.
- In this simple, intuitive app, budding authors are guided through the process of creating a tale of their own using cartoon images and corresponding question text.
- Cheery graphics help students begin their tales, which are recorded in their own voices. Stringing together these snippets of narrative allows little writers to understand how a paragraph—and later, a story—is formed.







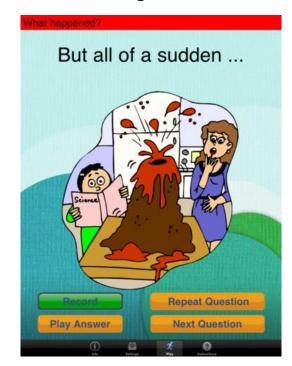
StoryBuilder

- Teacher Features:
 - The iPad version offers the option of an archive page for each individual student. This organization feature—along with email capabilities—make the home-to-school work transition a snap
- Skills: Storytelling, Fluency, Creativity, Parts of Speech, Paragraphs

Requirements: Compatible with iPad. Requires iOS

4.2 or later.

• Price: \$7.99





https://itunes.apple.com/us/app/storybuil der-for-ipad/id377631532?mt=8&ignmpt=uo%3D4

Rainbow Sentences

- Understanding how to write a complete sentence is a struggle for many children. *Rainbow Sentences* calls in color to help kids get a better grasp on the different elements of a sentence and how they come together.
- This is an intuitive, beautifully designed app that's completely customizable to fit a child's needs.
- Positive word placement reinforcement is encouraged verbally, and color-coding highlights parts of a sentence for visual learners.
- Teacher Features:
 - Kid-friendly graphics and interactivity help successfully teach the 5 W's of sentence building.
- Skills: Punctuation, Grammar, Syntax, Sequencing,

Parts of a sentence

• Requirements: Compatible with iPad.

Requires iOS 4.3 or later

Price: \$7.99

URL:

https://itunes.apple.com/us/app/rainbow-sentences/id427578209?mt=8&ign-

mpt=uo%3D4



Middle School Vocabulary Prep

- Middle School Vocabulary Prep is not the most exciting app in the world, but it has a big database of practice words, word quizzes and sample tests, and it gets the job done.
- This is a serious study tool appropriate for students as they move into the middle school years. The assessment tests and word lists are on the difficult side for fifth graders, but on target for traditional middle school, grades 6 through 8.
- The challenge is in the vocabulary, not using the app, which is very user-friendly. The word lists are extensive and tests are different every time.
- Teacher Features:
 - There are some neat teacher features like support for multiple students and an administrator profile, but they require a paid upgrade.
- Skills: Vocabulary
- Requirements: Compatible with iPad. Requires iOS
 3.2 or later.

• Price: \$2.99



Reading Comprehension – Solar System

- This galactic app features 17 non-fiction eBooks about the planets, moons, asteroids, comets and telescopes of our solar system. Even students with super-short attention spans can soak up enough interesting information in these short stories (roughly 300 to 500 words long) to tackle multiple-choice and yes-or-no questions—as well as vocabulary word matching—relating to each passage.
- The text, while factual, is textbook-style and dry despite the kid-friendly space theme; however, this problem can be remedied by uploading customized stories and questions into the app.
- Students will build critical comprehension skills and expand their vocabulary with the visual cues highlighting important terms. The format is great for visual learners, but audio learners may struggle due to the lack of a voice-over option.





Reading Comprehension – Solar System

- Teacher Features:
 - Detailed progress reports allow insight into which kinds of questions each kid has trouble with, while the ability to create customized lessons allow educators to give struggling students the specific help they need.
- Skills: Interactive Stories, Vocabulary, Solar System, Reading Comprehension

• Requirements: Compatible with iPad. Requires iOS

3.2 or later.

• Price: \$2.99



URL: https://itunes.apple.com/us/app/reading-comprehension-solar/id531292495?mt=8&ign-mpt=uo%3D4

STUDYBLUE Flashcards

- Serious studiers will appreciate this virtual flashcard stack, just waiting to be customized with text, pictures and audio to study anything from state capitals to math equations.
- Features allow kids to focus on problem areas and see their progress charts and graph that map their progress visually, as well as a summary of each study session and the option to tackle cards they've missed.
- Students can study independently or pair up with classmates; friends can even share their flashcards with peers for a collaborative study environment.
- Teacher Features:
 - Features allow for classmates to share study materials, quiz each other and collaborate online.
- Skills: Vocabulary, Rote Memorization
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free



iLiveGrammar - Autumn

- Fall in love with this grammar-focused app, full of tasks that tackle parts of speech and stunning autumn photography.
- Students must read sentences that have one word highlighted, and choose which part of speech the highlighted word represents: noun, verb, pronoun, adjective, adverb, article, conjunction or preposition. This is a solid, straightforward way of drilling grammar that's aligned to the Common Core Standards, but options are limited.
- For fifth graders struggling with parts of speech, this app can be extremely helpful.
- Skills: Grammar, Parts of Speech
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$4.99





Question Builder

- Answering the "who, what, where, when, why" of a story subject is the basic foundation for gathering information. Give students a solid understanding of the Five Ws with this simple question-and-answer app.
- A clear voice-over option helps reinforce correct answers and encourages students who are stumped to keep trying. Three levels of play, color-coding and text options can help students master these foundational questions by starting with lots of cues, and making problems increasingly more difficult as students progress.

Teacher Features:

- The Parent Center isn't only for moms and dads—use this feature for up-to-date information about how student skills are progressing using the app.
- Skills: Grammar, Abstract Questions, Five Ws, Reading Comprehension
- Requirements: Compatible with iPad. Requires iOS
 4.3 or later.

Price: \$5.99

URL: https://itunes.apple.com/us/app/question-builder-for-ipad/id364823150?mt=8&ign-mpt=uo%3D4

(Norman 2013)

Explain Everything

- Forget PowerPoint; in today's wired world, students can create multimedia presentations by tapping, dragging and swiping anything from images and text to annotation and object movement. Explain Everything is a modern app that helps whiz kids pull together a host of different content and ideas to create a presentation.
- Record audio, add music, insert pictures, insert video, and then use a virtual laser pointer to direct your viewers through hi-tech charts, graphs, images and other data
- Creative students will love flexing their imaginations to come up with cool ways to wow others with their organized ideas.
- Skills: Storytelling, Collaboration, Oral Presentations

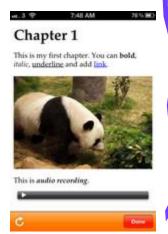
Requirements: Compatible with iPad. Requires iOS
 5.1 or later.

• Price: \$2.99



Creative Book Builder

- Creative Book Builder is a solid app for any fifth grader interested in writing a story. This app allows students to create, edit, publish and share eBooks.
- This app allows everyone to partake in the fun, educational, challenging process of publishing a book. Actions are kid-friendly; all of the features needed to write a book are included and explained.
- Write a title, add text, tables and equations, or throw in media items such as images, video and audio with ease from Flickr, Dropbox, Google Drive, YouTube or anywhere else on the Internet.
- The app's developers keep a blog with thorough tutorials to help guide students through the steps of creating and sharing their very own eBook.
- Skills: Grammar, Storytelling, Interactive Stories,
 Spelling, Reading
- Requirements: Compatible with iPhone, iPod touch, and iPad.
- Price: \$3.99



GrammarPrep – Subjects and Verbs

- Grammar Prep Subjects and Verbs explains and drills subject-verb agreement issues in a no-frills, academic style.
- Students fill in the blanks of sentences with the correct form of a verb—singular or plural. The app contains a variance in types of sentences, which provides lots of practice with the trickiest subject-verb agreement issues our already tricky language offers.
- While the educational value is sound, the app wears out its welcome quickly.
- Skills: Grammar, Subject-Verb Agreement
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later.
- Price: \$3.99



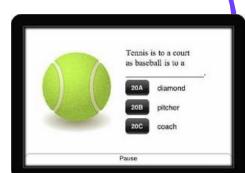
Analogies

- Analogies provides a great way to help build your student's confidence with analogies at an early age, using a bingo-like game format to keep them engaged as they tackle synonyms, antonyms, descriptive words, part-to-whole analogies and more.
- The full version offers five different levels of difficulty, three modes of play (practice, single-player and multi-player) as well as 375 multiple-choice questions and analogies. A half-price lite version is available with two modes of play (practice and single-player) and 125 questions.

Teacher Features:

- The score reporting feature holds students accountable for their work by emailing periodic progress reports to educators.
- Skills: Grammar, Vocabulary, Analogies
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: \$4.99 \$8.99





Stack the Countries

- Astana is the capital of which country? If kids answer Kazakhstan, they'll earn a country to add to their "stack"—a Tetris-like onscreen tower of animated country shapes.
- When the stack is high enough to reach the goal line, players earn a country reward. The questions aren't always easy, but the challenge motivates students to learn the comprehensive range of geological facts presented. Both factual information, like capital cities and landmarks, and shape recognition skills are targeted.
- Young competitors will especially like the multiplayer function, which pits players against each other to compete for countries, high scores and bragging rights.
- Skills: Community & Cultures, Geography, Shape Recognition, Map Skills
- Requirements: Compatible with iPhone 3GS or later, iPod touch (3rd generation or later), and iPad. Requires iOS 4.3 or later

• Price: \$1.99



(Norman 2013)

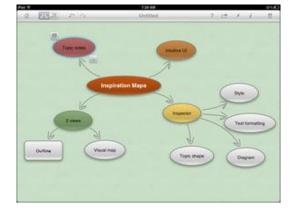
Inspiration Maps

- Students often have trouble organizing their thoughts in order to structure writing and understand what they're reading; establish organizational skills early with this intuitive, visually appealing app.
- Inspiration Maps offers students the canvas and tools with which to organize everything from class notes and study materials to essay outlines and Venn diagrams.
- This app comes equipped with charts, diagrams and organizers of all kinds, and allows the option to create a customized organizer to fit a child's specific needs.
- Skills: Organization, Brainstorming

Requirements: Compatible with iPad. Requires iOS

4.0 or later.

• Price: \$9.99

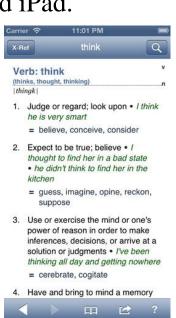


URL: https://itunes.apple.com/us/app/inspiration-maps/id510173686?mt=8&ign-mpt=uo%3D4

WordWeb Dictionary

- It's hard to knock a free app that allows for on-the-go word lookup. This one gives students the ability to enter vocabulary words, and assuming they have WiFi access, it connects them to Wikipedia, Wiktionary, Answers.com, or Google.
- The app provides pronunciation help, simple definitions, synonyms (linked to definitions), usage examples (in the form of sentence fragments or phrases), and information on the word's origins if available.
- Skills: Vocabulary, Parts of Speech, Spelling
- Requirements: Requires WiFi access to use. Compatible with iPhone, iPod touch, and iPad. Requires iOS 4.3 or later.
- Price: Free





Brushes 3

- With this app, your budding artist can finger paint or create masterpieces with 19 high-quality electronic paintbrushes.
- If your students show an interest in art, they can let their imagination run wild with Brushes' hundreds of color choices, brush strokes and special effects.
- Figuring out how to use it takes extensive exploring; exploring that's best carried out by an adult who is not easily frustrated.
- This app's more expensive than most, but could be a good pick for upper elementary-schoolers who learn toward art.
- Skills: Drawing, Fine Motor Skills, Creativity
- Requirements: Compatible with iPhone, iPod touch, and iPad. Requires iOS 5.1 or later.
- Price: Free \$7.99



References

(2012). 10 fun apps for fifth grade learning.

Retrieved from

http://www.education.com/slideshow/5th-grade-apps/.

(2012). Fifth grade learning game and app reviews. Retrieved from http://www.education.com/app-reviews/fifth-grade/.

App Store. (2013). Education apps. Retrieved from https://itunes.apple.com/us/genre/ioseducation/id6017?mt=8.

