















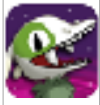








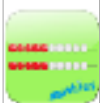
























May 23, 2017			<b>LDAK WORKSHOP #4: Smart Subject-Area Tool Apps</b>	
			<b>(Explore subject related tools on your iPad)</b>	
			#4: Explore some selected apps such as virtual manipulatives, free online courses (e.g., Khan academy), talking calculators, graphic calculators, science tools, geometry visuals, apps to convert hand written math formulas into typed format.	
<b>MATH</b>			<b>APP</b>	<b>DESCRIPTION</b>
<b>Visuals and Manipulative</b>	Free			
★	*		<b>Geoboard</b> , by The Math Learning Centre (Free) <a href="http://catalog.mathlearningcenter.org/apps/geoboard">http://catalog.mathlearningcenter.org/apps/geoboard</a>	Tool for exploring with an electronic peg board...for K-5  Online version: <a href="https://www.mathlearningcenter.org/web-apps/geoboard/">https://www.mathlearningcenter.org/web-apps/geoboard/</a> Other apps by same developer: <a href="http://catalog.mathlearningcenter.org/apps">http://catalog.mathlearningcenter.org/apps</a>
★	*		Photo Math - Camera Calculator (free) <a href="https://itunes.apple.com/us/app/photomath/id919087726">https://itunes.apple.com/us/app/photomath/id919087726</a>	Students with dyslexia have trouble remembering (memorizing) the sequence of steps in multi-step math problems. The free Photo Math app is a great workaround for multi-step math problems, as well as fractions, algebra, and more. Just take a photo of the math problem to learn how to solve it. Features input handwriting recognition. Also has a basic calculator built-in. See it in action: (0:20 min.) <a href="https://photomath.net/en/">https://photomath.net/en/</a>
	*		Visual Fractions: Decimals and Percentages (\$6.99) <a href="https://itunes.apple.com/us/app/visual-fractions-decimals/id696974837?mt=8">https://itunes.apple.com/us/app/visual-fractions-decimals/id696974837?mt=8</a>	Visual Fractions allows you to explore adding, subtracting, multiplying, dividing, comparing, investigating in a very visual way. Video: (1:43 min.) <a href="http://www.idevbooks.com/apps/visual_fractions.php">http://www.idevbooks.com/apps/visual_fractions.php</a>
			Visual Multiplication Table (\$6.99) <a href="https://itunes.apple.com/us/app/visual-multiplication-table/id457381162?ls=1&amp;mt=8">https://itunes.apple.com/us/app/visual-multiplication-table/id457381162?ls=1&amp;mt=8</a>	App helps visualize the multiplication tables. Short Video: (3:25 min.) <a href="http://www.idevbooks.com/apps/multiplication_table.php">http://www.idevbooks.com/apps/multiplication_table.php</a>
			Fraction as Slope (\$6.99) <a href="https://itunes.apple.com/ca/app/fraction-as-slope/id1089494423?mt=8">https://itunes.apple.com/ca/app/fraction-as-slope/id1089494423?mt=8</a>	The Fraction as Slope app provides algebra students a new visual way to think about slope and fractions by showing how fractions are slopes. This provides an opportunity to increase conceptual understanding of both fractions and slopes. Fraction as Slope - an iPad app (0:58 min.) <a href="https://www.youtube.com/watch?v=9vc7Pvdstfg">https://www.youtube.com/watch?v=9vc7Pvdstfg</a>
<b>Calculators and Handwritten Equations</b>	*		Calcbot - The Intelligent Calculator (Free, \$) <a href="https://itunes.apple.com/us/app/calcbot-intelligent-calculator/id376694347?mt=8&amp;at=11I4Hu">https://itunes.apple.com/us/app/calcbot-intelligent-calculator/id376694347?mt=8&amp;at=11I4Hu</a>	Calcbot is a calculator app that has the its ability to be advanced but hide the features you don't need. Also includes a tape of your work and answers that can be emailed. <a href="http://tapbots.com/calcbot/">http://tapbots.com/calcbot/</a> (available on iPad and Mac)
	*		Free Graphing Calculator 2 (Free, \$) <a href="https://itunes.apple.com/ca/app/free-graphing-calculator/id378009553?mt=8">https://itunes.apple.com/ca/app/free-graphing-calculator/id378009553?mt=8</a>	





















	*		Desmos Graphing Calculator (free) <a href="https://itunes.apple.com/ca/app/desmos-graphing-calculator/id653517540?mt=8">https://itunes.apple.com/ca/app/desmos-graphing-calculator/id653517540?mt=8</a>	Scientific calculator with graphing capabilities. Explore math with Desmos: <a href="https://www.desmos.com/">https://www.desmos.com/</a> Learn features: <a href="http://learn.desmos.com/calculator">http://learn.desmos.com/calculator</a>
★	*		MyScript Calculator (Free, \$) <a href="https://itunes.apple.com/ca/app/myscript-calculator-handwriting/id578979413?mt=8">https://itunes.apple.com/ca/app/myscript-calculator-handwriting/id578979413?mt=8</a>	MyScript Calculator - allows a person to write in an equation and changes it to editable text and provides you with the result. <a href="https://www.youtube.com/watch?v=gm4-3LACUfA">https://www.youtube.com/watch?v=gm4-3LACUfA</a> (0:58 min.)
★	*		MyScript Mathpad (Free, \$) <a href="https://itunes.apple.com/ca/app/myscript-mathpad-handwriting/id674996719?mt=8">https://itunes.apple.com/ca/app/myscript-mathpad-handwriting/id674996719?mt=8</a>	Handwrite your math equations and have them turned into "typed" digital equivalent for using in other documents MyScript Mathpad (0:43 min.) <a href="https://www.youtube.com/watch?v=K0PHCdq5CKE">https://www.youtube.com/watch?v=K0PHCdq5CKE</a>
	*		MyScript Memo (Free, \$) <a href="https://itunes.apple.com/ca/app/myscript-memo/id446368116?mt=8">https://itunes.apple.com/ca/app/myscript-memo/id446368116?mt=8</a>	Take notes in handwriting and convert to digital text MyScript Memo (1:31 min.) <a href="https://www.youtube.com/watch?v=wTNYlQNZM7Q">https://www.youtube.com/watch?v=wTNYlQNZM7Q</a>
★	*		ModMath (Free, Pro \$) <a href="https://itunes.apple.com/us/app/modmath/id821892964?mt=8">https://itunes.apple.com/us/app/modmath/id821892964?mt=8</a>	Mod Math provides you with digital graph paper and a calculator-like user interface. You can shade alternating columns or rows for better visual discrimination, as well as highlight a single row or column. The app will align rows and columns for you. ModMath demo <a href="http://www.modmath.com/">http://www.modmath.com/</a> (1:38 min.)
	*		<b>Talking Calculator</b> (\$2.79) <a href="https://itunes.apple.com/us/app/talking-calculator/id424464284?mt=8">https://itunes.apple.com/us/app/talking-calculator/id424464284?mt=8</a>	Talking Calculator: Talking Calculator features large colorful buttons and the calculator talks. Put your finger on the screen and it tells you what button your finger hovers over. Perform a calculation and the calculator vocalizes the answer. Record your own voice to use instead of supplied voice. Tutorial - Talking Calculator 3 for iPad / iPhone / iPod Touch (5:38 min.) <a href="https://www.youtube.com/watch?v=34bMNvVIOBE">https://www.youtube.com/watch?v=34bMNvVIOBE</a>
			<b>Talking Scientific Calculator</b> (\$6.99)	Same as above with scientific functions.
Learning			Algebra Touch \$3.99 <a href="https://itunes.apple.com/ca/app/algebra-touch/id384354262?mt=8">https://itunes.apple.com/ca/app/algebra-touch/id384354262?mt=8</a>	Algebra Touch allows touch gestures for interacting with math problems - teaches how to do algebraic operations. You can do things such as drag to rearrange, tap to simplify, and draw lines to eliminate identical terms. Algebra Touch - Fun & Easy K-10 Math iPad iOS App (9:26 min.) <a href="https://www.youtube.com/watch?v=-6Uz9Gj2Ln0">https://www.youtube.com/watch?v=-6Uz9Gj2Ln0</a>
	*		DragonBox Algebra 12+ (\$10.99) (ages 12+) <a href="https://itunes.apple.com/ca/app/dragonbox-algebra-12+-award/id634444186?mt=8">https://itunes.apple.com/ca/app/dragonbox-algebra-12+-award/id634444186?mt=8</a>	Game format to learning about linear equations. For ages 12 and up. Players learn how to solve equations in a playful and colourful game environment where they are encouraged to experiment and be creative. DragonBox Algebra - Official Trailer (0:46 min.) <a href="https://www.youtube.com/watch?v=hGHDBUkmUIE">https://www.youtube.com/watch?v=hGHDBUkmUIE</a>
			DragonBox Algebra 5+ (\$6.99) (ages 6-8)	As above but for ages 6-8.
	*		iMathematics (free) <a href="https://itunes.apple.com/ca/app/imathematics-learn-revise/id337535181?mt=8">https://itunes.apple.com/ca/app/imathematics-learn-revise/id337535181?mt=8</a>	Learn Math in Style - your personal math tutor <a href="https://appsto.re/ca/ndMhu.i">https://appsto.re/ca/ndMhu.i</a>
★	*		Khan Academy (free) <i>See notes in GENERAL below.</i>	Khan Academy - Math (K-8), Math (Arithmetic, Algebra, Geometry, Trigonometry, Statistics, Calculus)










★	*		Prime Radicals Pentominos (Free) <a href="http://www.tvokids.com/apps/primeradicalspentominos">http://www.tvokids.com/apps/primeradicalspentominos</a>	Prime Radicals Pentominos (ages 11 and under) TVO application
	*		Prime Radicals Snowflakes (Free) <a href="http://www.tvokids.com/apps/primeradicalssnowflakes">http://www.tvokids.com/apps/primeradicalssnowflakes</a>	Prime Radicals Snowflakes TVO application
★	*		Wolfram Alpha (free and \$3.99) <i>See notes in GENERAL below.</i>	
Puzzles and Fun	*		Geometry Pad (free) Geometry Pad+ (\$9.99) Geometry Pad for Kids (\$9.99) [age 9-11] <a href="https://itunes.apple.com/ca/app/geometry-pad/id517461177?mt=8">https://itunes.apple.com/ca/app/geometry-pad/id517461177?mt=8</a>	Create fundamental geometric shapes and explore and change their properties. Add text and notations to your work. How teachers can use the Geometry Pad App in the classroom: <a href="https://www.youtube.com/watch?v=aFbJPt37r44">https://www.youtube.com/watch?v=aFbJPt37r44</a> (2:47 min.)
★	*		iSolveIt: MathSquared - Free <a href="http://isolveit.cast.org/p/squared/">http://isolveit.cast.org/p/squared/</a>	Math puzzles to help develop logical thinking and reasoning strategies <a href="http://isolveit.cast.org/home">http://isolveit.cast.org/home</a> <a href="http://isolveit.cast.org/p/squared/">http://isolveit.cast.org/p/squared/</a>
Ontario Association for Mathematics Education (OAME) APPS			A collection of math activities for Ontario students. <a href="http://oame.on.ca/mathies/index.html">http://oame.on.ca/mathies/index.html</a>	Page for parents: <a href="http://oame.on.ca/mathies/parents.html">http://oame.on.ca/mathies/parents.html</a> Videos of a variety of apps by Mathies: <a href="http://oame.on.ca/mathies/learningTools.php">http://oame.on.ca/mathies/learningTools.php</a>
★	*		Notepad by Mathies (Free) <a href="https://itunes.apple.com/ca/app/id969193096">https://itunes.apple.com/ca/app/id969193096</a>	Write solutions, show your thinking, take screenshot of your work to share.
	*		Rekenrek by Mathies (Free) <a href="https://itunes.apple.com/ca/app/rekenrek-by-mathies/id868343670?mt=8">https://itunes.apple.com/ca/app/rekenrek-by-mathies/id868343670?mt=8</a>	Make visual models to help understanding number concepts and relationships. See also other apps: Money by Mathies, Relational Rods, Colour Tiles, and Set Tools.
SCIENCE			APP	DESCRIPTION
	*		Chemist - by Thix Virtual Chemistry Lab (free and \$11.99) <a href="http://thix.co/chemist/">http://thix.co/chemist/</a>	It's your dream virtual chemistry lab. Experiment with various lab equipment, procedures, and chemicals with complete freedom—no need to buy chemicals or clean up afterwards. Perfect for testing, exploring, learning, or just playing around. Website: Chemist - Ultimate Lab for Chemistry (2:44 min.) <a href="https://www.youtube.com/watch?v=XG7A0zCW4X8">https://www.youtube.com/watch?v=XG7A0zCW4X8</a>
			Chemio - a Student's Chemical Reference (\$2.79) <a href="https://itunes.apple.com/ca/app/chemio-students-chemical-reference/id700723947?mt=8">https://itunes.apple.com/ca/app/chemio-students-chemical-reference/id700723947?mt=8</a>	Interactive periodic table, solubility table, molar mass calculator and the 3D widget for designing electron configuration of atom. Scroll down for the video. <a href="https://learningrenaissance.wordpress.com/2015/08/21/chemio-a-students-chemical-reference/">https://learningrenaissance.wordpress.com/2015/08/21/chemio-a-students-chemical-reference/</a>
			DK The Human Body (\$9.99) <a href="https://itunes.apple.com/ca/app/dk-the-human-body-app/id454946651?mt=8">https://itunes.apple.com/ca/app/dk-the-human-body-app/id454946651?mt=8</a>	"The Human Body app is detailed and extensive; it's an app that would be useful for anyone from a high school biology student to a trainee doctor! DK The Human Body - iPad App Review (1:27 min.) <a href="https://www.youtube.com/watch?v=-eYzXMDpr_UiTunes">https://www.youtube.com/watch?v=-eYzXMDpr_UiTunes</a>
			The Elements: A Visual Exploration by Theodore Gary (\$19.99) <a href="http://apps.theodoregray.com/the-elements/">http://apps.theodoregray.com/the-elements/</a>	The BEST periodic table app on the market - The Elements: A Visual Exploration - app demo <a href="https://www.youtube.com/watch?v=dy5spdfugx4">https://www.youtube.com/watch?v=dy5spdfugx4</a> (9:05 min.)

	*	 iBiome-Wetland Lite (free and \$) <a href="https://itunes.apple.com/ca/app/ibiome-wetland/id900933868?mt=8">https://itunes.apple.com/ca/app/ibiome-wetland/id900933868?mt=8</a>	Explore the wetland habitat and all the amazing species within.
	*	 K12 Periodic Table of the Elements (free) <a href="https://itunes.apple.com/ca/app/k12-periodic-table-elements/id480742053?mt=8">https://itunes.apple.com/ca/app/k12-periodic-table-elements/id480742053?mt=8</a>	Learn the periodic table. A Visual Exploration lets you experience the beauty and fascination of the building blocks of our universe in a way you've never seen before.
★	*	 Khan Academy (free) <i>See notes in GENERAL below.</i>	Khan Academy - Math (K-8), Math (arithmetic, Algebra, Geometry, Trigonometry, Statistics, Calculus)
★	*	 NASA App HD (free) and Nasa Visualization Explorer <a href="http://www.nasa.gov/centers/ames/iphone/index.html">http://www.nasa.gov/centers/ames/iphone/index.html</a>	The NASA app showcases a huge collection of the latest NASA content, including images, videos on-demand, NASA Television, mission information, news & feature stories, latest tweets, ISS sighting opportunities, satellite tracking, Third Rock Radio and much more. The NASA app is available free of charge. YouTube: NASA Releases "NASA App HD" for iPad <a href="https://www.youtube.com/watch?v=VAs8gbb3vR4">https://www.youtube.com/watch?v=VAs8gbb3vR4</a> (3:14 min.)
	*	 Science360 (free) <a href="https://www.nsf.gov/news/special_reports/apps/">https://www.nsf.gov/news/special_reports/apps/</a>	From National Science Foundation - science and engineering images and videos from around the world
★	*	 SkyView Free (Also Skyview \$) <a href="https://itunes.apple.com/ca/app/skyview-free-explore-universe/id413936865?mt=8">https://itunes.apple.com/ca/app/skyview-free-explore-universe/id413936865?mt=8</a>	Explore the Universe. SkyView helps to identify stars, constellations, satellites, and more. iPad App Quick Overview: SkyView Lite (1:22 min.) <a href="https://www.youtube.com/watch?v=NNKMMbL8YrQ">https://www.youtube.com/watch?v=NNKMMbL8YrQ</a>
	*	 Solar Walk™ FREE - Planets System, Orbits & Moons <a href="https://itunes.apple.com/bw/app/solar-walk-free-solar-system/id559702509?mt=8">https://itunes.apple.com/bw/app/solar-walk-free-solar-system/id559702509?mt=8</a>	This 3D solar system model lets you navigate between planets, see their positions on a specific date, explore how they move and why. You will see the entire Milky Way galaxy from a far and zoom in to study all the planets and satellites in close-up, learn their trajectories, inner structures, history of their exploration, and geography. YouTube: Solar Walk iPad App Review (2:17) <a href="https://www.youtube.com/watch?v=1Sun15y-8ZM">https://www.youtube.com/watch?v=1Sun15y-8ZM</a>
	*	 Wolfram Alpha (free and \$3.99) <i>See notes in GENERAL below.</i>	
<b>CODING</b>		<b>APP</b>	<b>DESCRIPTION</b>
★	*	 Lightbot Code Hour (free) <a href="https://lightbot.com">https://lightbot.com</a>	Lightbot : Code Hour is a programming puzzle game whose game mechanics require using programming logic to solve levels. This short teaser is meant to introduce players to programming who may have little to no experience. Anyone, anywhere, from grades K-12 can play, have fun and learn real programming logic! Lightbot #1   Basics (5:11 min.) <a href="https://www.youtube.com/watch?v=pTa42Py4fY0">https://www.youtube.com/watch?v=pTa42Py4fY0</a>
	*	 Swift Playgrounds (free) <a href="https://developer.apple.com/swift/playgrounds/">https://developer.apple.com/swift/playgrounds/</a>	Swift Playgrounds is a new app for iPad that is intended to make it fun to learn and experiment with code. You solve interactive puzzles in the guided "Learn to Code" lessons to master the basics of coding, while additional challenges let you explore code and create programs that are engaging and unique. Scroll down to "Watch the Demo": <a href="http://www.apple.com/swift/playgrounds/">http://www.apple.com/swift/playgrounds/</a> (3:20 min.)





The Arts		APP	DESCRIPTION
	*	 <p>Adobe Photoshop Express (Free, \$),  <a href="https://itunes.apple.com/ca/app/adobe-photoshop-express-edit/id331975235?mt=8">https://itunes.apple.com/ca/app/adobe-photoshop-express-edit/id331975235?mt=8</a></p>	<p>Edit images (e.g., red-eye removal, add borders, rotate, crop) and make collages right on your iPad. Ease to share with other apps or social media. (Some advanced features are only available by in-app purchase.)  <a href="http://www.photoshop.com/products/photoshopexpress">http://www.photoshop.com/products/photoshopexpress</a>            YouTube: Adobe Photoshop Express - iOS  <a href="https://www.youtube.com/watch?v=5eZ8wbwkX5M">https://www.youtube.com/watch?v=5eZ8wbwkX5M</a> (6:49 min.)</p>
	*	 <p>Adobe Photoshop Lightroom for iPad (free)  <a href="https://itunes.apple.com/ca/app/adobe-photoshop-lightroom/id804177739?mt=8">https://itunes.apple.com/ca/app/adobe-photoshop-lightroom/id804177739?mt=8</a></p>	<p>Adobe Lightroom (Lr or LR) is a photo processor and image organizer has a free iPad version. It allows viewing and advanced retouching of digital images. Lightroom's edits are non-destructive. You can easily save to your Camera Roll or send to other apps or email. (An Adobe ID is required if you want to use Adobe cloud storage or share with the equivalent Adobe desktop apps. Some charges may apply.). See more: <a href="https://lightroom.adobe.com">https://lightroom.adobe.com</a>            YouTube: How to edit photos on your iPad with Adobe Lightroom  <a href="https://www.youtube.com/watch?v=HMIb4rdSNVY">https://www.youtube.com/watch?v=HMIb4rdSNVY</a> (2:24 min.)</p>
★	*	 <p>Adobe Spark Video (previously called Adobe Voice) free and \$ (for storage)  <a href="https://itunes.apple.com/ca/app/adobe-spark-video/id852555131?mt=8">https://itunes.apple.com/ca/app/adobe-spark-video/id852555131?mt=8</a></p>	<p>Helps you turn your ideas into impactful social graphics, web stories and animated videos. Designed to be easy to use. Save videos to Camera Roll. (Free). See more: <a href="https://spark.adobe.com/about/video">https://spark.adobe.com/about/video</a>            YouTube: Adobe Spark Video on iPad (5:17 min.)  <a href="https://www.youtube.com/watch?v=vxoZY_8-ewQ">https://www.youtube.com/watch?v=vxoZY_8-ewQ</a></p>
★	*	 <p>Paper by Fifty Three  <a href="https://itunes.apple.com/ca/app/paper-by-fiftythree-sketch/id506003812?mt=8">https://itunes.apple.com/ca/app/paper-by-fiftythree-sketch/id506003812?mt=8</a></p>	<p>Paper is a way to capture and connect your notes, photos, and sketches. Create checklists, spotlight details in photos, and sketch diagrams using your finger or stylus. Website: <a href="https://www.fiftythree.com">https://www.fiftythree.com</a>            YouTube: Paper by FiftyThree iPad App Tutorial (5:27 min.)  <a href="https://www.youtube.com/watch?v=d2OUSoNTWHc">https://www.youtube.com/watch?v=d2OUSoNTWHc</a></p>
		 <p>Pixelmator \$  <a href="https://itunes.apple.com/ca/app/pixelmator/id924695435?mt=8">https://itunes.apple.com/ca/app/pixelmator/id924695435?mt=8</a></p>	<p>Pixelmator is a powerful, full-featured, layer-based image editor that lets you touch up and enhance images, sketch and paint, as well as create advanced image compositions. Website: Pixelmator  <a href="http://www.pixelmator.com/ios/">http://www.pixelmator.com/ios/</a>            YouTube: Pixelmator for IOS (0:31 min.)  <a href="https://www.youtube.com/watch?v=T3yH0baX2Wg">https://www.youtube.com/watch?v=T3yH0baX2Wg</a></p>
		 <p>Procreate \$  <a href="https://itunes.apple.com/ca/app/procreate-sketch-paint-create/id425073498?mt=8">https://itunes.apple.com/ca/app/procreate-sketch-paint-create/id425073498?mt=8</a></p>	<p>Procreate Pocket is a feature-rich painting app designed exclusively for iPhone. Quickly get started wherever inspiration strikes with everything you need to create stunning paintings, drawings, and illustrations. Website: Procreate  <a href="http://procreate.si">http://procreate.si</a>            YouTube: Portrait Painting using Procreate, for iPad (2:36 min.)  <a href="https://www.youtube.com/watch?v=M2YSCVvSXgl">https://www.youtube.com/watch?v=M2YSCVvSXgl</a></p>
ENGLISH - Language		APP	DESCRIPTION
	*	 <p>Book Creator (free and \$)</p>	<p>Create your own beautiful ebooks, Winner of a Parents' Choice Gold Award. Upload to Google Play Books.</p>
	*	 <p>Dictionaries - Merriam-Webster (free)</p>	<p>English language reference, education, and vocabulary building.</p>

	*		Duolingo - language learning (free) Free way to learn new languages. High-quality instruction. Allows practice by translating real-world text
★	*		English Idioms Illustrated (free + \$) English idioms explained in cartoon format.
	*		Freesaurus A simple thesaurus that shows synonyms and antonyms
	*		Mad Libs (free) Learn about parts of language while making a zany story.
			Story Cubes (\$) Make up your own story from the images on all the cubes, which you can put in any order you want.
★	*		Toontastic (free) Toontastic is a storytelling & learning tool that enables kids to draw, animate, and share their own cartoons around the world.
			Babbel (free) 14 languages, learn about topics you like, syncing across devices. Free.
			Phonics Genius Over 6000 words grouped by phonetic sounds, 225 categories of sounds. Free.
<b>HISTORY</b>		<b>APP</b>	<b>DESCRIPTION</b>
			Unesco World Heritage (\$3.99) A complete guide to the most extraordinary places on Earth. 911 UNESCO World Heritage sites.
	*		WORLD BOOK - This Day in History for iPad (U.S. oriented) (free) This Day in History presents 365 days of important births, deaths, and events that eventually shaped today's world.
			BBC History Magazine (free download, \$) The UK's best selling history magazine. Within app purchases of magazines. Interactive! Free.
			All About History Magazine Articles, photos, infographics and illustrations.
			American Revolution Interactive Timeline A comprehensive interactive timeline of the American Revolution. Additional apps available for historical events.
			Canadian History Magazine (free download, \$) Features, columns, reviews, commentary, historic photos, maps and illustrations. Free.
<b>GEOGRAPHY</b>		<b>APP</b>	<b>DESCRIPTION</b>
★	*		Amazing World Atlas by Lonely Planet Kids - Educational Geography Game (Free) <a href="https://itunes.apple.com/ca/app/amazing-world-atlas-by-lonely/id916745147?mt=8">https://itunes.apple.com/ca/app/amazing-world-atlas-by-lonely/id916745147?mt=8</a> By Lonely Planet Publications Pty Ltd., Maps, Flag Memory, Capital Match, World Matchup. Free. Amazing World Atlas - Lonely Planet Kids (0:57 min.) <a href="https://www.youtube.com/watch?v=2TyWIV8HkO4">https://www.youtube.com/watch?v=2TyWIV8HkO4</a>
			Carmen Sandiego Returns-A Global Spy Game for Kids (\$5.49, plus in-app purchases) Geography and problem solving while chasing criminal Carmen Sandiego around the globe. (For ages 7-12). Includes 15 missions, then you need to buy more.
			DinoWalk: Continental Drift & Ice Age Period (\$) Shows you the biological and geological changes our world has undergone in the past 600 million years.
	*		EarthViewer (free) Track fossils, geological events and understand what the earth look liked 250 million years ago.
			Where is that - Geography Quiz (Free, \$) Find countries, cities and landmarks on the world map. Play with up to 8 friends. Free
★	*		Geo Me! Try-Me! (free and \$) <a href="https://itunes.apple.com/us/app/geo-me!/id654772729?mt=8">https://itunes.apple.com/us/app/geo-me!/id654772729?mt=8</a> Uses animated musical stories and adorable avatars to introduce kids to basic world geography. <a href="http://crackerboxstudio.com/geo-me/">http://crackerboxstudio.com/geo-me/</a> Geography, Animated and Musical - "Geo-Me!" from Crackerbox - Behind the Scenes (5:23 min.) <a href="https://www.youtube.com/watch?v=Miqo2DWWylg">https://www.youtube.com/watch?v=Miqo2DWWylg</a>
★	*		Google Earth, fly overs <a href="https://itunes.apple.com/ca/app/google-earth/id293622097?mt=8">https://itunes.apple.com/ca/app/google-earth/id293622097?mt=8</a> Search for cities, places and businesses. Browse layers including roads, borders, places, photos and more.




	*		Google Maps, Street View	Visit any address in the world for a "street view" and navigate through the nearby streets. Step inside locations!
			National Geographic World Atlas (\$2.79)	World geography reference resource.
	*		World Geography: SMART Dictionary with Country Facts (Free, \$annual subscription)	More than 5000 Geographical Terms and definitions, lots of quizzes, puzzles and facts.
	*		World Factbook Visual Edition for iPad <a href="http://www.idevbooks.com/apps/world_factbook.php">http://www.idevbooks.com/apps/world_factbook.php</a> (\$)	Helps visualize information on the people, society, government, economy, geography, communications, transportation, military, and transnational issues for 267 world entities.
GENERAL			APP	DESCRIPTION
	*		iTunes U (free)	Collections of course materials from around the world. Browse or search to find text, audio, and multimedia resources. Search for resources from PBS. Search for "Canada" to find such things as "Canada and the First World War".
	*		NFB Films iPad app (Free)	Canadian source of videos on a wide variety of topics. Download for watching later.
	*		TED Talks videos (Free)	A wide variety of inspiring videos (usually 18 minutes or less) on a wide variety of topics.
★			<b>Ontario Association for Mathematics Education (OAME)</b> Math site designed for Ontario K-12 students and parents. <a href="http://oame.on.ca/mathies/">http://oame.on.ca/mathies/</a>	Mathies Games offer a number of fun, interactive virtual games - some for play, print or download <a href="http://oame.on.ca/mathies/parentDigitalSupports.html">http://oame.on.ca/mathies/parentDigitalSupports.html</a>
★	*		<b>Khan Academy</b> (free) <a href="https://www.khanacademy.org">https://www.khanacademy.org</a>	Khan Academy - Math (K-8), Math (arithmetic, Algebra, Geometry, Trigonometry, Statistics, Calculus), Science & Engineering (e.g., physics, chemistry, biology, health & medicine, electrical engineering, computing, arts & Humanities (e.g., grammar, music, world history), Economics. The Khan Academy (2:25 min.) <a href="https://www.youtube.com/watch?v=p6l8-1kHUsA">https://www.youtube.com/watch?v=p6l8-1kHUsA</a> You Can Learn Anything (1:31 min.) <a href="https://www.khanacademy.org/youcanlearnanything">https://www.khanacademy.org/youcanlearnanything</a> Khan Academy's 100&Change proposal: World-class diplomas for anyone, anywhere: (1:29 min.) <a href="https://www.youtube.com/user/khanacademy">https://www.youtube.com/user/khanacademy</a>
★	*		<b>Wolfram Alpha</b> (free and \$3.99) <a href="https://www.wolframalpha.com">https://www.wolframalpha.com</a>	Wolfram Alpha is an engine for computing answers and providing knowledge. It works by using its vast store of expert-level knowledge and algorithms to automatically answer questions, do analysis, and generate reports. Take the Tour: (1:18 min.) <a href="http://www.wolframalpha.com/tour/what-is-wolframalpha.html">http://www.wolframalpha.com/tour/what-is-wolframalpha.html</a>




































	*		<b>Geoboard</b> , by The Math Learning Centre (Free)	
	*		Photo Math (free)	
	*		Visual Fractions: Decimals and Percentages (\$6.99)	
			Visual Multiplication Table (\$6.99)	
			Fraction as Slope (\$6.99)	
	*		Calcbot - The Intelligent Calculator (Free, \$)	
			Dyscalculator (free)	
	*		Free Graphing Calculator 2 (Free, \$)	
	*		Desmos Graphing Calculator	
	*		MyScript Calculator (Free, \$)	
	*		MyScript Mathpad (Free, \$)	
	*		MyScript Memo (Free, \$)	
	*		ModMath (Free, \$)	
	*		<b>Talking Calculator</b> (\$2.79)	
			<b>Talking Scientific Calculator</b> \$6.99)	
			Algebra Touch \$	
	*		DragonBox Algebra 12+ (\$10.99)	
			DragonBox Algebra 5+ (\$6.99)	
	*		iMathematics (free)	
	*		Khan Academy (free)	
	*?		MathBoard (for iPad only) \$	
	*		TVO applications (Free)	
	*		TVO application (free)	
	*		Wolfram Alpha (\$2.99)	
	*		Geometry Pad (free) Geometry Pad+ (\$9.99)	
	*		iSolveIt: MathSquared - Free	
			Math Doodles (\$3.99)	
	*		TanZen (free)	
	*		Notepad by Mathies.	
	*		Rekenrek by Mathies	
	*		Chemist - by Thix Virtual Chemistry Lab (free and \$11.99)	
			Chemio - a Student's Chemical Reference (\$2.79)	
			DK The Human Body (\$9.99)	
			The Elements: A Visual Exploration by Theodore Gary (\$19.99)	
	*		iBiome-Wetland (free and \$)	
	*		K12 Periodic Table of the Elements (free)	
	*		Khan Academy (free)	

	*		NASA App HD (free)	
	*		Science360 (free)	
	*		SkyView Free (Also Skyview \$)	
	*		Solar Walk Free - Planets System,	
	*		Wolfram Alpha (free and \$3.99)	
	*		Lightbot Hour (free)	
	*		Swift Playgrounds (free)	
	*		Adobe Photoshop Express (Free, \$),	
	*		Adobe Photoshop Lightroom for iPad (free)	
	*		Adobe Spark Video (previously called Adobe Voice)	
	*		Paper by 53	
			Pixelmator \$	
			ProCreate \$	
	*		Book Creator (free)	
	*		Dictionaries - Merriam-Webster (free)	
	*		Duolingo - language learning (free)	
	*		English Idioms (free + \$)	
	*		Freesaurus	
	*		Mad Libs (free)	
			Story Cubes (\$)	
	*		Toontastic (free)	
			Unesco World Heritage (\$3.99)	
	*		WORLD BOOK - This Day in History for iPad (U.S. oriented) (free)	
	*		Amazing World Atlas by Lonely Planet Kids - Educational Geography Game (Free)	
			Carmen Sandiego Returns-A Global Spy Game for Kids (\$5.49, plus in-app purchases)	
			DinoWalk: Continental Drift & Ice Age Period (\$)	
	*		EarthViewer (free)	
		NOT	Geography Dictionary (Free, \$)	
	*		Geo Me! Try-Me! (free and \$)	
	*		Google Earth, fly overs	
	*		Google Maps, Street View	
			National Geographic World Atlas (\$2.79)	
	*		World Geography: SMART Dictionary with Country Facts (Free, \$annual subscription)	
	*		Visual World Factbook for iPad <a href="http://www.idevbooks.com/apps/world_factbook.php">http://www.idevbooks.com/apps/world_factbook.php</a> (\$)	

	*		iTunes U	
	*		NFB Films iPad app (Free)	
	*		TED Talks videos (Free)	
	?		Weather Channel	



	?		Weather Channel	
	*		Adobe Photoshop Express (Free, \$),	
	*		Adobe Photoshop Lightroom for iPad (free)	
	*		Adobe Spark Video (previously called Adobe Voice)	
	*		Amazing World Atlas by Lonely Planet Kids - Educational Geography Game (Free)	
	*		Book Creator (free)	
	*		Calcbot - The Intelligent Calculator (Free, \$)	
	*		Chemist - by Thix Virtual Chemistry Lab (free and \$11.99)	
	*		Desmos Graphing Calculator	
	*		Dictionaries - Merriam-Webster (free)	
	*		DragonBox Algebra 12+ (\$10.99)	
	*		Duolingo - language learning (free)	
	*		EarthViewer (free)	
	*		English Idioms (free + \$)	
	*		Free Graphing Calculator 2 (Free, \$)	
	*		Freesaurus	
	*		Geo Me! Try-Me! (free and \$)	
	*		<b>Geoboard</b> , by The Math Learning Centre (Free)	
	*		Geometry Pad (free) Geometry Pad+ (\$9.99)	
	*		Google Earth, fly overs	
	*		Google Maps, Street View	
	*		iBiome-Wetland (free and \$)	
	*		iMathematics (free)	
	*		iSolvIt: MathSquared - Free	
	*		iTunes U	
	*		K12 Periodic Table of the Elements (free)	
	*		Khan Academy (free)	
	*		Khan Academy (free)	
	*		Lightbot Hour (free)	
	*		Mad Libs (free)	
	*		ModMath (Free, \$)	
	*		MyScript Calculator (Free, \$)	
	*		MyScript Mathpad (Free, \$)	
	*		MyScript Memo (Free, \$)	
	*		NASA App HD (free)	
	*		NFB Films iPad app (Free)	
	*		Notepad by Mathies.	
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	*		Photo Math (free)	
	*		Rekenrek by Mathies	
	*		Science360 (free)	
	*		SkyView Free (Also Skyview \$)	
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	*		Swift Playgrounds (free)	

	*		<b>Talking Calculator</b> (\$2.79)	
	*		TanZen (free)	
	*		TED Talks videos (Free)	
	*		Toontastic (free)	
	*		TVO application (free) Pentonimoes	
	*		TVO applications (Free) Snowflakes	
	*		Visual Fractions: Decimals and Percentages (\$6.99)	
	*		Visual World Factbook for iPad <a href="http://www.idevbooks.com/apps/world_factbook.php">http://www.idevbooks.com/apps/world_factbook.php</a> (\$)	
	*		Wolfram Alpha (\$2.99)	
	*		Wolfram Alpha (free and \$3.99)	
	*		WORLD BOOK - This Day in History for iPad (U.S. oriented) (free)	
	*		World Geography: SMART Dictionary with Country Facts (Free, \$annual subscription)	
	*		MathBoard (for iPad only) free and \$	
			Algebra Touch \$	
			Carmen Sandiego Returns-A Global Spy Game for Kids (\$5.49, plus in-app purchases)	
			Chemio - a Student's Chemical Reference (\$2.79)	
			DinoWalk: Continental Drift & Ice Age Period (\$)	
			DK The Human Body (\$9.99)	
			DragonBox Algebra 5+ (\$6.99)	
	*		Dyscalculator (free)	
			Fraction as Slope (\$6.99)	
			Math Doodles (\$3.99)	
			National Geographic World Atlas (\$2.79)	
			Pixelmator \$	
			ProCreate \$	
			Story Cubes (\$)	
			<b>Talking Scientific Calculator</b> (\$6.99)	
			The Elements: A Visual Exploration by Theodore Gary (\$19.99)	
			Unesco World Heritage (\$3.99)	
			Visual Multiplication Table (\$6.99)	

