

Digital Subject Resources

ELA	Math	Science	History
<ul style="list-style-type: none"> ● NCTE and IRA <ul style="list-style-type: none"> ○ Thousands of free resources for K-12. Sorted by grade, type, objective, and theme. ● International Children's Digital Library <ul style="list-style-type: none"> ○ Read digital books for AR! ● PBS Learning <ul style="list-style-type: none"> ○ Resources for you and parents. ● Scholastic <ul style="list-style-type: none"> ○ Lessons, ideas, etc. (Some free, some not.) ● Google Lit Trips <ul style="list-style-type: none"> ○ Virtual Field Trips (VFT) that connect to places and geography in books. (THIS LOOKS SO COOL!!) 	<ul style="list-style-type: none"> ● Mathematical Practices Standards <ul style="list-style-type: none"> ○ Includes traditional and digital tools for teaching mathematics. ● National Council for Teaching Mathematics <ul style="list-style-type: none"> ○ Conferences, classroom resources, and more. ● Illuminations (NCTM) <ul style="list-style-type: none"> ○ Provides over 600 free lessons, virtual manipulatives, applets, and educational games. ● National Library of Virtual Manipulatives <ul style="list-style-type: none"> ○ Math manipulatives for all grade levels. ● Shodor Education Foundation 	<ul style="list-style-type: none"> ● NGSS Three Dimensional Learning <ul style="list-style-type: none"> ○ New science standards and framework. ● American Chemical Society <ul style="list-style-type: none"> ○ Resources for teaching Chemistry at the middle and high school level. ● Cells Alive! <ul style="list-style-type: none"> ○ Animations of plant and animal cells. ● Scienceathon <ul style="list-style-type: none"> ○ Authentic challenges for grades K-8 from schools all over the world. ● Scientific American <ul style="list-style-type: none"> ○ Activities, digital science fairs, and other resources that connect 	<ul style="list-style-type: none"> ● NCSS C3 Framework <ul style="list-style-type: none"> ○ Outlines the 5 main shifts for connecting ELA to history. ● Smithsonian Kids <ul style="list-style-type: none"> ○ Online museums ● USA.gov <ul style="list-style-type: none"> ○ Lesson plans, and other teacher resources based around the U.S. government. ● National Association of Economic Educators <ul style="list-style-type: none"> ○ Provides resources to advance economic and financial literacy by serving educators. ● Council for Economic Education <ul style="list-style-type: none"> ○ Assessments, lessons that link

Digital Storytelling Tools:

- [Animoto](#)
- [Little Bird Tales](#) (Lessons too!)
- [Storybird](#) (My personal favorite!)
- [VoiceThread](#) (Great resource for [flipped classrooms](#)).

○ STEM Resources

- [Florida State University Mathematics Virtual Library](#)
 - Links to hundreds of web resources
- [The Math Forum](#)
 - Problems of the week, puzzles, teacher supplemental packets, and a ton more.
- [Mathematica](#)
 - Free STEM collection of over 9,000 interactive illustrations and demonstrations , to help students understand applications of mathematics through complex modeling, simulations, and

emerging scientists from around the world.

- [National Wildlife Federation](#)
 - Opportunities and resources
- [Jonathan Bird's Blue World](#)
 - Explore the oceans with videos, lessons, and resources.
- [U.S. Geological Survey](#)
 - Real time Earth observations (earthquakes, fires, etc.). Also offers an ebook on Plate Tectonics
- [National Science Digital Library](#)
 - Digital science lessons, animations, and resources for all grades.
- [MERLOT](#)
 - Academic Communities

relatable and real-world problems to your classroom.

- [National Geographic Society](#)
 - Units, lessons, ideas, videos, and games. You can take a course and become certified professional developer with Nat Geo.
- [Teaching History](#)
 - Teaching materials, content, and best practices. The website is searchable.
- [GIS Interactive Database](#)
 - Use of maps to show history. Play with this resource, it could show a really cool picture to your

	<p>visualizations.</p> <ul style="list-style-type: none"> ● Math World <ul style="list-style-type: none"> ○ 13,000 free mathematics resources. ● Khan Academy <ul style="list-style-type: none"> ○ Math videos, practice, and quizzes. You can create a class and track student progress. ● IXL Math <ul style="list-style-type: none"> ○ Limited free math practice with grade level standards broken down into smaller section. Can purchase a subscription for unlimited access. ● ABCya! <ul style="list-style-type: none"> ○ K-5 educational games. ● Cool Math 4 Kids <ul style="list-style-type: none"> ○ Elementary math games, lessons, 	<ul style="list-style-type: none"> ● Curriki <ul style="list-style-type: none"> ○ Offers high quality science curriculum. <p><u>Simulations</u></p> <ul style="list-style-type: none"> ● Natural Disasters ● Greenhouse Effect <p><u>Live Webcams</u></p> <ul style="list-style-type: none"> ● Volcanoes ● Mt. Everest ● Old Faithful ● U.S. Monuments ● San Diego Zoo ● Monterey Bay Aquarium 	<p>students of where the history they are learning about is happening.</p> <ul style="list-style-type: none"> ● iCivics <ul style="list-style-type: none"> ○ By Justice Sandra Day O’Conner that has digital interactives that correlate state ss standards. <p><u>Virtual Field Trips (VFT):</u></p> <ul style="list-style-type: none"> ● Virtual Capitol Tour ● Virtual Mount Vernon Tour ● Virtual Colonial Williamsburg Tour ● National Parks Virtual Field Trips ● Boston Children's Museum ● Google Lit Trips <ul style="list-style-type: none"> ○ Virtual Field Trips (VFT) that connect to places and geography in books. (THIS LOOKS SO
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	<p>manipulatives, brain teasers, & quizzes.</p> <ul style="list-style-type: none"> ● Math is Fun <ul style="list-style-type: none"> ○ Math resources (printables) by concept. ● AAA Math <ul style="list-style-type: none"> ○ Elementary and Middle school lessons and practice. 		<p>COOL!!)</p> <ul style="list-style-type: none"> ● Salem Witch Hunt ● Lewis and Clark
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Source:

Schrum, L., & Levin, B. B. (2015). *Leading 21st-Century Schools: Harnessing Technology for Engagement and Achievement*. Thousand Oaks, CA: Corwin, a SAGE Company.