

Activity Calendar

- **Origami Dolls**
www.enchantedlearning.com/crafts/origami/doll
- **Activity Guide for *Millions of Cats* by Wanda Gág**
www.bookitprogram.com/redzone/read_do/Cats/MillionsofCats.pdf
- **NGAkids Art Zone**
www.nga.gov/content/ngaweb/education/kids.html
- **Teacher Guide for Susan Patron's *Hard Pan Trilogy***
www.susanpatron.com/Lucky3trilogyguide.pdf
- **"Pinkalicious" bulletin board**
www.pinterest.com/pin/327918416587693924
- **Teacher Guide for *Mercy Watson to the Rescue* by Kate DiCamillo**
www.candlewick.com/book_files/0763622702.mis.1.pdf
- **"Engineering for Kids"**
www.sciencekids.co.nz/engineering.html

Curriculum Connections

- **American Society for Engineering Education's eGFI site**
<http://teachers.egfi-k12.org>
- **Engineer Girl**
www.engineergirl.org
- **Engineering.com: Interviews with participants at the 2014 USA Science and Engineering Festival**
www.engineering.com/Videos/tabid/4624/Default.aspx
- **National Academy of Engineering: "Greatest Engineering Achievements of the 20th Century"**
www.greatachievements.org
- **PBS Kids: "Design Squad Nation"**
<http://pbskids.org/designsquad>
- **PBS Kids: "Zoom"**
<http://pbskids.org/zoom/activities/sci>

- **TryEngineering.com: Lesson Plans**
www.tryengineering.org/lesson-plans?cat=All&age_min=8&age_max=11
- **Scholastic: Facts for Now**
www.factsfornow.scholastic.com/article?product_id=nbk&type=0ta&uid=10749171&id=10001938
- **PBS Kids: "Baseball Bats" (video)**
<http://pbskids.org/designsquad/video/baseball-bats>
- **Teach Engineering: Lesson on engineering in sports**
www.teachengineering.org/view_lesson.php?url=collection/cub_/lessons/cub_intro/cub_intro_lesson04.xml
- **Candy Corn Catapults**
<http://frugalfun4boys.com/2013/10/11/candy-corn-catapults>
- **Cardboard Ferris Wheel**
<http://crimsonpearls.deviantart.com/art/Cardboard-Ferris-Wheel-205223678>
- **Building Big: Local Wonders**
www.pbs.org/wgbh/buildingbig
- **Bruce Springsteen: "Low Bridge, Everybody Down" (video)**
www.eriecanalsong.com
- **Frank Sinatra: "The Brooklyn Bridge" (video)**
www.youtube.com/watch?v=L2-Mb-RYmqE
- **Billy Madden and Vinnie Rhodes: "Lady Liberty Anthem" (video)**
www.youtube.com/watch?v=ydSNAEnurto

Core Focus

- **Smithsonian National Museum of American History: "We Can Do It" (Rosie the Riveter) poster**
http://americanhistory.si.edu/collections/search/object/nmah_538122
- **"The Kite that Bridged a River" by M. Robinson**
www.kitehistory.com/Miscellaneous/Homan_Walsh.htm

- “Homan J. Walsh and the Kite that Helped Build a Bridge”
www.nebraskahistory.org/publish/publicat/timeline/kite_bridge.htm
- “Homan Walsh—Bridging the Niagara River Gorge with a Kite”
<http://best-breezes.squarespace.com/homan-walsh>

Character Ed

- Niagara Suspension Bridge (photo)
www.kitehistory.com/images/1848%20Suspension%20Bridge%20in%20color.jpg
- Instructions for building a barn door kite (video)
www.youtube.com/watch?v=wbaF4ESAGCg
- Niagara Falls (video)
www.alexisonell.com/the-kite-that-bridged-two-nations.html

Connected Librarian

- Pathfinder: Rocks and Minerals
<http://sqworl.com/9te5vn>
- SketchUp
www.sketchup.com
- SketchUp: Video Tutorials
www.sketchup.com/learn/videos
- SketchUp STL: Import and Export STL Files
<http://extensions.sketchup.com/en/content/sketchup-stl>

Fiction/Nonfiction

- Henri Matisse: Paper Cut Outs
www.henri-matisse.net/cut_outs.html
- Footage of Henri Matisse making a paper cut out
www.youtube.com/watch?v=GN0okOq8Hyc

Freebies

- Ireland Facts for Kids
www.sciencekids.co.nz/sciencefacts/countries/ireland.html

- Five Green Shamrocks felt board rhyme
www.dltk-holidays.com/patrick/songs/mfive.htm
- Happy Birthday Author: Lesson Plans
www.happybirthdayauthor.com/p/lesson-plans-and-reading-experiences.html
- Mapwing
www.mapwing.com
- Lisa Doan (author website)
lisadoan.org

Keep ‘Em Reading

- Bright Hub Education: “Three Fabulous Simple Machine Projects for Kids”
www.brighthubeducation.com/science-fair-projects/108533-simple-machine-projects-for-kids
- Creativebug: “Easy Projects on Simple Machines for Kids”
<http://crafts.creativebug.com/easy-projects-simple-machines-kids-1862.html>
- Edheads: “Simple Machines”
www.edheads.org/activities/simple-machines/index.shtml
- Buzzle: “Types of Engineers”
www.buzzle.com/articles/types-of-engineers.html
- Aboriginal Access to Engineering: “Types of Engineering”
www.aboriginalaccess.ca/adults/types-of-engineering
- Engineer Girl
www.engineergirl.org

Library Lessons

- Teacher Guide for *Rosie Revere, Engineer* by Andrea Beaty
www.andreabeaty.com/uploads/1/5/2/4/15240358/rosie_revere_engineer_teacher_guide.pdf
- Rosie-Copter
www.andreabeaty.com/uploads/1/5/2/4/15240358/rosie_revere_engineer_copter.pdf

- **Paper Airplane Activity**
www.andreabeaty.com/uploads/1/5/2/4/15240358/rosie-revere-airplane.pdf
- **Reading Is Fundamental: Guide for *Rosie Revere, Engineer* by Andrea Beaty**
www.rif.org/documents/us/Rosie_Revere_Engineer.pdf

Gaining STEAM

- **Wonderopolis: "How Far Can a Paper Airplane Fly?"**
<http://wonderopolis.org/wonder/how-far-can-a-paper-airplane-fly>
- **PBS Kids Design Squad: "4-Wheel Balloon Car"**
<http://pbskids.org/designsquad/build/4-wheel-balloon-car>

Strengthen Your Core

- **AASL Learning Standards & Common Core State Standards Crosswalk**
www.ala.org/aasl/standards-guidelines/crosswalk
- **Common Core State Standards**
www.corestandards.org
- **PBS Kids Engineering Games**
<http://pbskids.org/games/engineering>
- **EdGames**
http://people.uncw.edu/ertzbergerj/ppt_games.html

Technology

- **"What Is Engineering?"**
www.youtube.com/watch?v=bipTWWHya8A
- **Virginia's Children's Engineering Council: Briefs**
www.childrensengineering.org/technology/designbriefs.php
- **Teach Engineering**
www.teachengineering.org
- **TryEngineering**
www.tryengineering.org

- **Rube Goldberg Burglar Catcher Challenge**
<http://archive.fossweb.com/modules3-6/LeversandPulleys/activities/rubegoldbergmachine.html>
- **Invention at Play: Tinker Ball**
www.inventionatplay.org/playhouse_tinker.html
- **LEGO Engineering**
www.legoengineering.com/get-started
- **Engineering Is Elementary**
www.eie.org
- **"Intro to Engineering" (video)**
http://aespresources.psu.edu/resources/details/intro_to_engineering_video
- **DiscoverE YouTube Channel**
www.youtube.com/user/nationaleweek/videos
- **Lockheed Martin: "I Want to Be an Engineer!"**
<http://media.nbcdfw.com/documents/EITC+Elementary+School+Brochure+-+Final.pdf>
- **Girl Scouts: Imagine Engineering**
www.girlscouts.org/imagineengineering
- **Engineer Girl**
www.engineergirl.org
- **Buzzle: Types of Engineers and What They Do**
www.buzzle.com/articles/types-of-engineers-and-what-they-do.html
- **Computer Science Unplugged**
<http://csunplugged.org>
- **Code Monkey**
www.codemonkey.co.il
- **Hopscotch (app)**
www.gethopscotch.com
- **Hour of Code**
<http://code.org/learn>
- **Light-Bot**
<http://armorgames.com/play/2205/light-bot>
- **National Library of Virtual Manipulatives**
<http://nlvm.usu.edu/en/nav/vlibrary.html>

- **NASA: Rover**
www.nasa.gov/audience/foreducators/robotics/home/ROVER.html#U9_Q3mOTEwB
- **Turtle Academy**
<http://turtleacademy.com//index/en>

Tips from the Trenches

- **Pinterest**
www.pinterest.com
- **Funology: Riddles**
www.funology.com/riddles
- **Funny Riddles for Kids**
www.funenglishgames.com/funstuff/funnyriddles.html
- **Brain Food: Riddles**
www.rinkworks.com/brainfood/p/riddles1.shtml
- **National Institute of Environmental Health Sciences Kids' Pages**
<http://kids.niehs.nih.gov/games/riddles>
- **Safe Online Surfing**
<https://sos.fbi.gov>
- **Smore**
www.smore.com
- **Pinterest Board on Book Tastings**
www.pinterest.com/shorne83/library-book-tasting
- **Padlet**
www.padlet.com
- **What Children's Book Character Are You?**
http://connect.nypl.org/site/PageNavigator/Childrens_Book_Quiz.html
- **What Kind of Librarian Are You?**
www.playbuzz.com/seattlepubliclibrary10/what-kind-of-librarian-are-you
- **What Fictional City Should You Live In?**
www.buzzfeed.com/awesomer/what-fictional-city-should-you-actually-live-in#yqn1R9vb4