Library of Virginia

YOUTH SERVICES NOTES

Week of January 12, 2015 No. 192

American Library Association **NEWS**

ALA President Courtney Young Releases Statement Regarding Charlie Hebdo Attack

ALA President Courtney Young released on January 7 the following statement regarding the attack on the offices of Charlie Hebdo in Paris.

"The American Library Association condemns in the strongest possible terms yesterday's attack on the offices of Charlie Hebdo in Paris and the deaths of the twelve people there.

"Libraries and the press are the bedrock of democratic societies. Free expression is essential for librarians and journalists to do their jobs. Free speech is integral to the ethical values and best practices for both professions. Such attacks are counter to the values of access to information with diversity of views—and to the values of civic engagement, which encourages people to read and discuss these views without fear.

"The American Library Association reaffirms our support of the freedom to publish, read, and discuss. This horrific attack violates Article 19 of the Universal Declaration of Human Rights, which ALA has endorsed:

Everyone has the right to freedom of opinion and expression; this right includes freedom to hold opinions without interference to seek, receive, and impart information and ideas through any media regardless of frontiers.

"The ALA Library Bill of Rights and Code of Ethics embody these principles without apology.

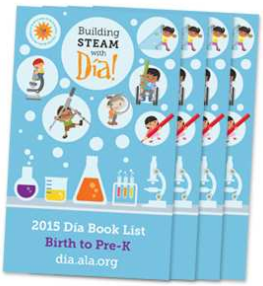
"The news is still evolving in regard to this tragic event. We will continue to monitor the situation. We extend our solidarity with our library colleagues in France, particularly the Association of French Librarians, for their continued passion and service on behalf of freedom of speech in French society."

ALA Press Release, January 7, 2015

American Library Association **NEWS**

ALSC Announces Building STEAM with Día Book Lists

The **Association for Library Service to Children (ALSC)** has released new ***Building STEAM with Día*** **book lists** for children from birth to 8th grade. **Intended to accompany El día de los niños/El día de los libros (Día) programming, the four book lists are comprised of multicultural titles that showcase STEAM (Science, Technology, Engineering, Art, and Math) topics.**



The four *Building STEAM with Día* book lists are available for children from birth to Pre-K, kindergarten to 2nd grade, 3rd to 5th grade and 6th to 8th grade. PDFs of the reading lists are available online in full color and are free to download, copy and distribute. Book lists are available online at: http://www.ala.org/alsc/2015-building-steam-dia-book-lists.

[The booklists are also attached to this newsletter.]

The lists also feature simple and age appropriate STEAM activities to accompany one of the titles on the list. Each is designed to help librarians and parents bring the book to life through easy hands-on STEAM activities.

Titles and activities in the ***Building STEAM with Día book lists*** were selected and developed by members of ALSC's Quicklists Consulting Committee. These free book lists were made possible through the Everyone Reads @ your library grand funded by the Dollar General Literacy Foundation.

About Día

Día, El día de los niños/El día de los libros (Children's Day/Book Day), is a nationally recognized initiative that emphasizes the importance of literacy for all children from all backgrounds. The Día celebration was

(Continued on page 3)

Youth Services Notes

is issued weekly by

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Financial support is provided by IMLS.

The Institute of Museum and Library Services is the primary source of federal support for the nation's 123,000 libraries and 17,500 museums. Through grant making, policy development, and research, IMLS helps communities and individuals thrive through broad public access to knowledge, cultural heritage, and lifelong learning. This newsletter project is made possible by a grant from the U.S. Institute of Museum and Library Services.

Thanks for the photos and information!

- The usual suspects: ALA, PUBYAC

Update

In our story last week about the Gingerbread House Program at the Hampton Public Library, we neglected to mention that the program was presented by Mrs. Tiffany Wigging. We apologize for that oversight, and congratulate Mrs. Wigging on her excellent program.

Dates to Remember

Virginia Conferences

October 21-23, 2015	Virginia Library Association Annual Conference	Richmond

National Conferences

January 30—February 3, 2015	American Library Association Midwinter Conference	Chicago
June 25-30, 2015	American Library Association Annual Conference	San Francisco

Online Courses

January 12, 2015—February 21, 2015	Bilingual Storytime and Library Outreach (Katie Scherrer)	online

Training

February 6, 2015	STEM Workshop with Science Museum of Virginia	Franklin
February 13, 2015	STEM Workshop with Science Museum of Virginia	King George
February 19, 2015	Early Reading Instructional Strategies and Resources (VDOE & LVA)	Charlottesville
February 20, 2015	STEM Workshop with Science Museum of Virginia	Fishersville
February 26, 2015	STEM Workshop with Science Museum of Virginia	Lebanon
February 27, 2015	STEM Workshop with Science Museum of Virginia	Bedford
March 18, 2015	Early Reading Instructional Strategies and Resources (VDOE & LVA)	Richmond
March 31, 2015	Storytime Share-n-Tell	Martinsville

Building STEAM with Día Book Lists

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founded in 1996 by children's book author Pat Mora, who proposed conceptually linking the existing El Día del Niño with literacy. The founding partner of Día is REFORMA, the National Association to Promote Library and Information Services to Latinos and the Spanish-Speaking. For more information, please visit http://dia.ala.org .

About Dollar General Stores

Dollar General Corporation has been delivering value to shoppers for 75 years. Dollar General helps shoppers Save time. Save money. Every day!® by offering products that are frequently used and replenished, such as food, snacks, health and beauty aids, cleaning supplies, basic apparel, house wares and seasonal items at low everyday prices in convenient neighborhood locations. With more than 11,500 stores in 40 states, Dollar General has more retail locations than any retailer in America. In addition to high quality private brands, Dollar General sells products from America's most-trusted manufacturers such as Clorox, Energizer, Procter & Gamble, Hanes, Coca-Cola, Mars, Unilever, Nestle, Kimberly-Clark, Kellogg's, General Mills, and PepsiCo. For more information on Dollar General, please visit http://www.dollargeneral.com.

From ALSC Blog

Reach Out and Read Promotes Early Childhood Literacy

Did you know that a well-child visit to the doctor's office can also help to promote early literacy and school readiness? It can if your well-child appointment is with one of the 5,200 medical providers who participate in the Reach Out and Read Program.

One new Reach Out and Read Program site, the Bethesda Family Practice in Cincinnati, Ohio, reached out to their local Norwood Branch Library, which is a medium-sized branch in the Public Library of Cincinnati & Hamilton County system, for assistance in setting up their waiting room Literacy Corner. The Public Library of Cincinnati & Hamilton County's Marketing department donated full-color literacy posters with Book Suggestions for Babies and Toddlers and a growth chart on the side. Also displayed in the Literacy Corner is the current monthly calendar of events and story times available at the Norwood Branch Library.

This is just one example of how children's librarians can reach out to their communities to promote early childhood literacy. Try sending area medical providers an email directing them to the Reach Out and Read website at http://www.reachoutandread.org/.

As recommended by the American Academy of Pediatrics, Reach Out and Read incorporates early literacy into pediatric practice, by integrating children's books and advice to parents about the importance of reading aloud into well-child visits. Reach Out and Read builds on the unique relationship between parents and medical providers to develop critical early reading skills in children.

Reach Out and Read serves more than 4 million children and their families annually. Currently, Reach Out and Read partners with more than 5,200 program sites and distributes 6.5 million books per year. The program serves more than one-third of all children living in poverty in this country, and continues to grow each year with the vision that one day the Reach Out and Read model will be a part of every young child's checkups.

The Reach Out and Read model for literacy promotion has three key elements:

- Primary care providers (doctors, NPs, PAs and RNs) are trained to deliver early literacy guidance to parents of children 6 months through 5 years of age during each well-child visit. This age-appropriate guidance centers on the importance of: frequent and early exposure to language, looking at board books and naming pictures with infants, rhyme and repetition for gaining phonemic awareness during toddlerhood, and reading interactively (such as using open-ended questions) when reading with preschoolers.
- During well-child visits for children ages 6 months through 5 years, the provider gives the child a new, developmentally-appropriate book to take home, building a collection of 10 new books in the home before the child goes to kindergarten. The provider also repeatedly prescribes reading aloud, every day.
- Reach Out and Read program sites also create literacy-rich environments that may include gently-used books for waiting room use or for siblings to take home. In some waiting rooms, Reach Out and Read volunteers model for parents the pleasures and techniques of reading aloud to very young children.

Reach Out and Read is endorsed by the American Academy of Pediatrics, the National Association of Pediatric Nurse Practitioners, the Literacy Partner American Academy of Family Physicians and is a Library of Congress David M. Rubenstein Prize 2013 Award Winner. For more information visit http://www.reachoutandread.org/.

Posted January 12, 2015 by Debbie Anderson, Children's Librarian, Norwood Branch Library of the Public Library of Cincinnati and Hamilton County in Ohio.

From PUBYAC

Apply Today for a Talk Story: Sharing Stories, Sharing Culture Grant

The **American Indian Library Association (AILA)** and the **Asian/Pacific American Librarians Association (APALA)** are pleased to announce their continued sponsorship from **Toyota Financial Services**. **Toyota Financial Services will sponsor the Talk Story: Sharing stories, sharing culture program by providing funding for the fourth year for mini-grants that will be awarded in early 2015.**

Talk Story: Sharing stories, sharing culture (http://www.talkstorytogether.org) is a literacy program that reaches out to Asian Pacific American (APA) and American Indian/Alaska Native (AIAN) children and their families. The program celebrates and explores their stories through books, oral traditions, and art to provide an interactive, enriching experience. 2015 will be the fifth year that AILA and APALA have partnered on the Talk Story project and allocated grant funding to libraries to implement programs geared towards the APA/AIAN communities. To date, thirty-three Talk Story grants have been awarded.

Applications for the grant can be found on the Talk Story website at:
www.talkstorytogether.org/grants.
Deadline: Friday, February 13, 2015
Grant Amount: $600
Grant Period: May 1, 2015 - November 30, 2015

For more information, please contact:
Lessa Pelayo-Lozada, APALA Co-Chair
lessalozada@gmail.com
Liana Juliano, AILA Co-Chair
lj2116@yahoo.com

Posted January 12, 2015

"In early days, I tried not to give librarians trouble, which was where I made my primary mistake. Librarians like to be given trouble; they exist for it, they are geared to it. For the location of a mislaid volume, an uncatalogued item, your good librarian has a ferret's nose. Give her a scent and she jumps the leash, her eyes bright with battle."
~ Catherine Drinker Bowen ~
(*From* Adventures of a Biographer, 1959)

From PUBLIB

Grant Opportunity for Rural Libraries

The Libri Foundation is currently accepting applications for its 2015 BOOKS FOR CHILDREN grants.

The Libri Foundation is a nationwide non-profit organization which donates new, quality, hardcover children's books to small, rural public libraries throughout the United States. Since October 1990, the Foundation has donated over $6,200,000 worth of new children's books to more than 3,300 libraries in all 50 states.

In order to encourage and reward local support of libraries, **The Libri Foundation will match any amount of money raised by your local sponsors from $200 to $350 on a 2-to-1 ratio.** Thus, a library can receive up to $1,050 worth of new children's books. After a library receives a grant, local sponsors (such as formal or informal Friends groups, civic or social organizations, local businesses, etc.) have four months, or longer if necessary, to raise their matching funds.

The librarian of each participating library selects the books her library will receive from a booklist provided by the Foundation. The 600-plus fiction and nonfiction titles on the booklist reflect the very best of children's literature published primarily in the last three years. These titles, which are for children ages 12 and under, are award-winners or have received starred reviews in library, literary, or education journals. The booklist also includes a selection of classic children's titles.

Libraries are qualified on an individual basis. In general, county libraries should serve a population under 16,000 and town libraries should serve a population under 10,000 (usually under 5,000). Libraries should be in a rural area, have a limited operating budget, and an active children's department.

Please note: *Rural is usually considered to be at least 30 miles from a city with a population over 40,000. Town libraries with total operating budgets over $150,000 and county libraries with total operating budgets over $450,000 are rarely given grants.*

Applications are accepted from independent libraries as well as libraries which are part of a county,

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Grant Opportunity for Rural Libraries

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regional, or cooperative library system. A school library may apply only if it also serves as the public library (i.e. it is open to the everyone in the community, has some summer hours, and there is no public library in town).

A branch library may apply if the community it is in meets the definition of rural. If the branch library receives its funding from its parent institution, then the parent institution's total operating budget, not just the branch library's total operating budget, must meet the budget guidelines.

A library that received a BOOKS FOR CHILDREN grant in 2012 or earlier is eligible to apply if it fulfilled all the grant requirements, including sending in its final report.

Application deadlines for 2015 are: **(postmarked by) January 23rd and May 1st. Grants are awarded January 31st and May 15th.** If you want your books in time for your summer reading program, please apply for a January grant.

The names of grant recipients will be posted on the Foundation's website a few days after grants are awarded. Acceptance packets are usually mailed 14-18 days after grants are awarded.

Please DO NOT waste money sending your application by Express Mail or Certified Mail. The application deadline is based on postmark date, not arrival date.

Application guidelines and forms may be downloaded from the Foundation's website at: http://www.librifoundation.org.

For more information about The Libri Foundation or its Books for Children program, please contact Ms. Barbara J. McKillip, President, The Libri Foundation, PO Box 10246, Eugene, OR 97440. 541-747-9655 (phone); 541-747-4348 (fax); libri@librifoundation.org (email). Normal office hours are: Monday-Friday, 10 a.m. to 4 p.m., Pacific Time.

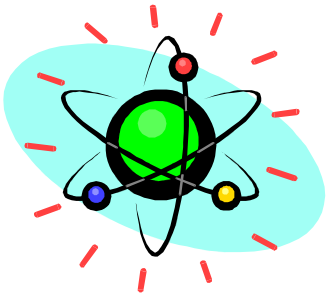
Posted January 12, 2015

The way a book is read – which is to say the qualities a reader brings to a book – can have as much to do with its worth as anything the author puts into it.

~ Norman Cousins ~

From PUBYAC

Science for Kids



Hello! I am thinking of creating a "Pint-Size Science" program at my library, and I have a lot of questions for those of you who may have done the same thing. First off, I'm pretty good with science itself, so that's not my issue. What I'd like to do is create a monthly science program geared toward younger kids that would possibly include a story, a science experiment, and maybe a game based on the topic we've learned. I'm thinking it would run about 45 minutes or so.

Here are questions I have:
1. What age span should I aim for? What works best for you and why?
2. Where's the best place to get supplies? Do you have any good partnerships in the community?
3. What are some success tips you've gleaned from your experiences with this kind of program?
Any and all information you can share with me would be greatly appreciated.
I'm really looking forward to this! Thanks in advance!
Posted December 30, 2014 by Samantha Nicholson

Hello! This is the third time I'm attempting to send out this compilation, so I hope it works. If you have a moment, please let me know you've received it so I can stop doing this!!! Again, thanks to everyone who contributed, and good luck to everyone who uses this info. ***Posted January 9, 2015***

First off, congrats on starting a new program! I haven't read any of the responses you've received yet, so I apologize if I repeat anything. I started a science program here called "Science Lab" for grades K & 1. It has been a huge hit! I've been doing it now for about 2 years and we register 15 kids for a 2-week session each season (Fall, Winter, Spring) for 45 minutes. I have them do some sort of group experiment which I generally find on Pinterest (you can see my STE(A)M board here: **http://www.pinterest.com/dklibrarian/library-related-steam/**

Once I've decided on the experiments I'll be using, I try to find a short book related to the topic, usually non-fiction and something like floating and sinking, surface tension, etc. There is a book called "What Is Science" by Rebecca Kai Dotlich that I absolutely love as an intro, in fact I love it so much, I have been reading it each time with the kids just so they begin to understand the depth and breadth of science itself! After the short book

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Science for Kids

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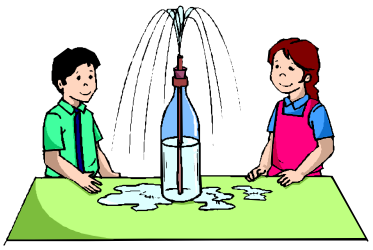
or two, I'll talk about hypotheses/results/conclusions with the kids and we'll write their hypotheses on a dry erase board. If there is time at the end, we'll go back to it and discuss what was correct and what wasn't and why. I try to throw out just a few key words like surface tension, buoyancy, absorption, etc. They get really into it!

As for materials, most of the experiments I've done have been simple enough to merit a quick trip to a local dollar store or grocery store. We did buy thick rubber gloves from a local hardware store and goggles from amazon (I can't seem to copy the link in here but a basic search for "kids safety goggles" will bring up a set of colored frames made by Pyramex - that's what we bought).

I haven't done any related games unless the experiment itself was more of a game, for example, once we made paper rotocopters (found on the Exploratorium website) and I set up targets on the floor for the kids to aim for after they made them. I'd love to hear any games/activities you come up with?!

The best part is, I have so much fun doing this with the kids and I couldn't be further from a "science" person!

I did a Weird Science Program a couple of weeks ago. Ours was done during our Family Fun Night that runs about an hour. It is for all ages, but the ages seem to range consistently from about 5-8, although I do get kids as young as 2 there with their older sibling.



The most important thing I learned very fast, is not to get too technical with the explanations. Having visual aids worked really well to illustrate the concepts we were working with, but without going overboard on the science jargon. Also, anything that has an "explosion' is a BIG hit! We did the pop and Mentos experiment (outside of course) and they all loved it. We also did a Sparkle Volcano, and that also went over well. Any thing that they can participate in, like making slim or pouring of solutions was also popular. Anything they had to "watch" for the reaction and if the reaction was not big or noticeable right away, seemed to make them board.

I made sure that all my ingredients could be bought at the local grocery store, so that if adults wanted to recreate the experiments at home, they could do so easily. On that point, make sure to have handouts with directions available. The adults seemed very interested in being able to do the experiments at home.

The best thing I did was put plastic on all the tables and underneath tables where things could be really messy. I also made sure that anything that was going to be messy had some kind container (whether it be a plastic container or baking sheet) to contain the spill.

This was a really fun program and I plan to do one again next year but focusing on Water Science.

Here is the link to the "sparkle volcano". It was so fun! Your explosion size depends on how much vinegar and baking soda you put in and the kids caught on to this quickly. They kept chanting "more! more!" and went crazy whenever I added more.
http://preschoolpowolpackets.blogspot.com/2012/04/science-experiment-sparkly-explosion.html

Also, the Elephant Toothpaste (link bellow) was really cool too! You can get the 6% hydrogen peroxide via Amazon for super cheap.
http://preschoolpowolpackets.blogspot.com/2012/01/science-experiment-elephant-toothpaste.html

We have had great success with our "Fun with Math and Science" program with preschoolers. You can find resources and information on the project here:
http://libraries.idaho.gov/doc/fun-math-science-family-workshops

We started Explore! STEAM for Preschoolers at my last library. Here are the blog posts I did on some of them:
http://klmpeace.wordpress.com/category/steam/

I found this site to be VERY helpful as well:
http://librarymakers.blogspot.com/search/label/WonderWorks

1. We put ours at 3-5, but we got a lot of 2 year olds. I was fine with that, my coworker who also did one was not.

2. We used things we had around the library, recyclables, and purchased things like magnifying glasses, tweezers/tongs, etc. mostly from Lakeshore because their stuff just seems more durable. We also brought things from home like fans and lights and asked staff to bring in cookie sheets and other one time use things when we needed them. I want caregivers to see how easy it is for them to do science at home so we didn't want to use too many things that were impossible for them to get. A few things is fun, but too much and they start to think science is only for special occasions and not something you can do at home every day.

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Science for Kids

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3. Have a routine. For me, they wrote their names on blocks as they came in, they sat on the rug, we sang the hello song with blocks, I read a story, I explained the stations that were set up and what was expected of kids caregivers, and then released them to the stations. Doing this every time helped make set up easy (I could put things out on the table because they all knew they couldn't touch them until after the story, etc.) and stations with a little explanation (not too much-it's supposed to be about exploration!) help the flow of things. Also, I tried NOT to impart any of my science knowledge. Another thing we want caregivers to understand is they do NOT have to be "good" at science in order to do this with their kids. Last tip: LET THEM GET MESSY! They will come back in hordes if you include really run, messy elements. Sneaky science is in the high interest sensory stuff. Also, microwave Ivory soap. Their minds will be blown for just a couple of $.

I've done a Preschool Science Explorers series periodically, which is one or two stories plus four to six hands-on activities. The descriptions are here under "STEM Storytimes":
http://intentionalstorytime.wordpress.com/hands-on-science/

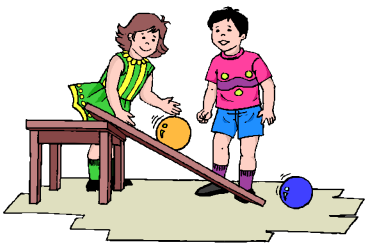
I register 18 kids ages 3-6, and they have to come with an adult. Many of the supplies are easy to find, but any of the specialty science stuff I get from Lakeshore Learning. I think the key is to have variety in the hands-on activities so that every different kind of learner finds something they can really get into. Think hands-on learning, and don't stress too much if one of two activities don't feel "science-y" enough.

You might want to look at the "Mother Goose Asks Why?" program. Its even a possibility that your library participated in these workshops and still has the kits. They would be perfect for this age. There is also a math kit called "Count on Mother Goose".

We do preschool science here at the library. Here's what we covered in a blogpost. I really like Lakeshore for their STEM kits. This is with 4 & 5 yr olds as a stay alone program. I wish the parents stayed. Doing experiments with this age group needs more of a 1 on 1 ratio (especially if you plan on doing messy stuff like volcanoes or making slime).
http://librarymakerspace.blogspot.com/2014/11/preschool-science-wraps-up-its-first.html

This info may help you a bit:
http://librarymakers.blogspot.com/p/faq-wonderworks.html
Carissa Christner at Madison Public Library is the person who does Wonderworks there, so she may be a resource you could contact.
cchristner at madisonpubliclibrary.org

Our library was one of 33 libraries nationwide that was chosen several years ago to participate in a $1.4 million project of the National Science Foundation to teach children ages 3 to 8 science & math concepts using books paired with manipulatives. It takes time to read the manual and follow what to do, but once you get started, this program is self-sustaining and SO worth it!



The project was coordinated by the Vermont Center for the Book. They have published a manual & manipulatives that one can purchase that go with storybooks. Their web site ("What's the BIG Idea? Math & Science in the Library") is:
http://www.mothergooseprograms.org/for-educators-and-librarians/

The products on this page **(http://www.mothergooseprograms.org/programsproducts/)** are all for the "What's the BIG Idea?" and used to be available for sale, but I don't see that on their site anymore. Perhaps you'd need to e-mail them about it.

Our Library does an annual Family Science Day geared for preschoolers, and siblings. We have about 12 stations going at one time. Perhaps you'll be able to glean some info from here:
http://mclskids.pbworks.com/w/page/25879612/Science%20Day%20Fun

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"Books educate us about art and politics and people and ideas. This happens in non-fiction and fiction. And in poetry, of course. So many of us have been moved to a deeper understanding of things – or many things – by taking in a few dark lines on the page."

~ Author Elizabeth Berg ~

Science for Kids

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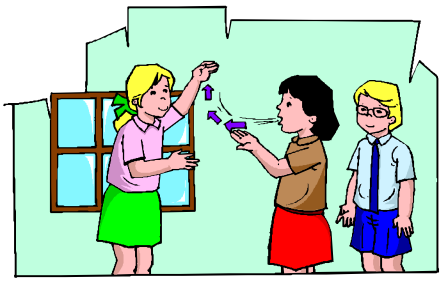
If you are only offering three or four experiments at a time, it shouldn't last as long

I run two monthly science program, one for ages 3-6 and the other for 6-11. I'm thinking you mean preschoolers by younger kids, but that could just be because I often think of 5 year olds as my older kids.

For the 3-6 program, most of my attendees are 3 and 4 years old (and some 2s). A lot of kids enter preschool at 4, so I don't see many older kids for a morning program. I usually structure my programs around a theme rather than a scientific principle and work with the science that fits the theme. We start the program with an abbreviated storytime at the beginning -- usually 15 or 20 minutes with discussion of the topic, one or two books, a movement activity, and one in depth demonstration of a science activity. After that, I send the kids off to self-directed stations around the room, which I think of like centers in a preschool classroom. Stations usually focus on science, art, literacy, sensory exploration, and math related to the theme.

My library system has purchased many STEM materials and kits from Lakeshore Learning this year (color paddles, prisms, magnets, animal specimens, etc.). If you have the budget for those kind of things, I highly recommend Lakeshore. When I started this program in 2011, though, we didn't have any specialized materials. I purchased a couple of things like pipettes and a pan balance, but otherwise just used regular craft materials and recyclables.



One tip I would have for this program is to know the science you are discussing, but not worry about presenting it all to the group. I usually have much more to say than the little ones have the attention span for. A lot of the time, though, I can go more in depth with the older kids (4s and 5s) individually while they are at the stations.

I would also say to not worry about narrowly focusing on science. I tried to stick with what I, as an adult, considered science when I first started this program, and I found it very limiting. Once I reevaluated my understanding of science and realized I could find science in just about any topic, it was much easier for me to plan my programs. I also decided to incorporate more early literacy and child development activities in the programs.

Last summer I did a science based storytime with my preschoolers for ages 4-6. They really enjoyed it, so in the fall I started a Preschool M.E.S.S program. It is Math, Early Literacy, Science and Such. Each week I did one of the letters, with the science being the most fun I think.

I looked online and through some of our books for the science projects. Some have been rather messy. I would suggest laying down a plastic mat or having lots of paper towels available if you have carpeting like we do. :-)

We have done the power of the wind using straws in paper (they blew off the paper sleeve and I asked them what caused it to fly off. Then we tried to keep a balloon in the air using the straws.), The ivory soap in a microwave was a hit. I let them take their soap cloud home.

Our friends helped with the costs. I tried to keep them relatively inexpensive.

Lessons learned:
Sometimes it gets messy.
Make sure you have set up everything in advance.
Talk to the kids about what is happening.
Have sheet explaining the project. The parents then can try variations at home.

Have fun. I have discovered that it is fun watching the kids get into the projects.

I run a monthly science program for preschoolers ages 3-6. I call it “Preschool SCIENCE-time”. I usually pick a theme (past themes have included colors, light, magnets, water, measurement...) and find one or two picture books that fit that theme. After we’ve read the stories, the kids can then go to the hands-on experiment stations. I try to provide 3-5 stations and the activities at each station are fairly simple.

For example, when I did a water themed program one of the stations included a tub of water and a bunch of random objects. The kids had to make a prediction about which objects would float and which would sink and then test their predictions.

A lot of the stations/experiments are created using everyday household supplies but I’ve also bought items from Lakeshore Learning.

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Science for Kids

Continued from page 8

If you're going to do a science program for preschoolers, I would suggest providing an instruction sheet at each station that has a few simple questions that parents can ask their child while they are completing the experiments. Sometimes the kids just jump right into the experiment so giving the parents prompts about what questions to ask will help the kids think more critically about what they're doing.

I also remind the parents to ask lots of questions before we break off into the stations.

Before I started the program I asked my Friends group for money so that I could purchase little lab coats for the kids to wear during the program. They are super cute and I think they help the kids feel like real scientists!

The most helpful resource I've used for coming up with ideas has been Amy Koester's blog Show Me Librarian
http://showmelibrarian.blogspot.com/p/all-things-steam.html

Oh man. I think which age span just depends on what kinds of activities you plan. There are great activities for older toddlers, like dropping food coloring in milk, or spraying water on permanent markers on coffee filters. We've also done things with inclined planes (zooming cheapo cars down them, and the kids hear the language even if they aren't using those words themselves) We've done science for all ages and it seems to work well as long as you have the right kind of activity.

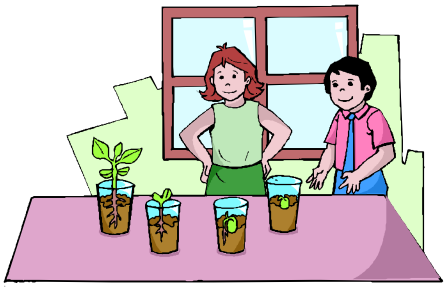
I buy my own supplies, but try to do science with cheap things/ recycled things.

Sometimes we have partnered with the local children's science museum and they come in a do programs for us, but we pay them. They make it a point to bring materials that are harder to get or more expensive.

I've enjoyed having the parents help me do some of the activities and always try to practice what you want to do at least once! I've never tried to do any science related games besides those that already are sort of game like (propulsion of balloons attached with a straw to a long string).

Years ago, I did a program at a park district called: "Little Mad Scientist". It was pretty popular, and because I'm curious myself and like you, I happen to love science, I had fun right along with my preschoolers. You may find a book with the above title, and use it as a guide... I gathered ideas, experiments, etc. from that book, and many places and books, but I did look at these two:

Title: Science Adventures: Nature Activities for Young Children by Elizabeth A. Sherwood, Williams, Rockwell



Title: Science Play! By Jill Frankel Hauser

But...you'll probably find more- there are many preschool science books out there, but it is your enthusiasm, curiosity, silliness, and open-mindedness- that will be contagious- I did a program about 'pets', and brought in my dog (It was a park district & my daughter helped), our goldfish, our hamster, and a good friend's cat and an iguana....

When we did a program on water, I brought in ice, water, humidifier- to show the different properties and states of 'water'. Ha- ha - I remember letting many of my houseplants get so dry, then bringing them in so we could water them and Gee, I think I told the kids we could hear the plants drinking water- guess it was just the sound of water filling up

Really dry, parched soil! Years later, I would run into the moms of the children and they said their youngsters really enjoyed the program.

THAT was so nice to hear.

At my old library I had a science storytime for 3 & 4 year olds. It was lots of fun for me and the kids and parents loved it.

The first place I went to for ideas, besides science experiment books, was Pinterest. There are so many preschool science experiments posted by home schooling parents and preschool teachers. Many of the materials are items that are found around the house or can be purchased at the drug store or supermarket. I put some on my Pinterest page in the Science Storytimes.

The other thing I found useful is planning the experiments for months ahead of time and grouping them by theme. Plants; Structures and Building; Animals; Seasons; Chemical Reactions.

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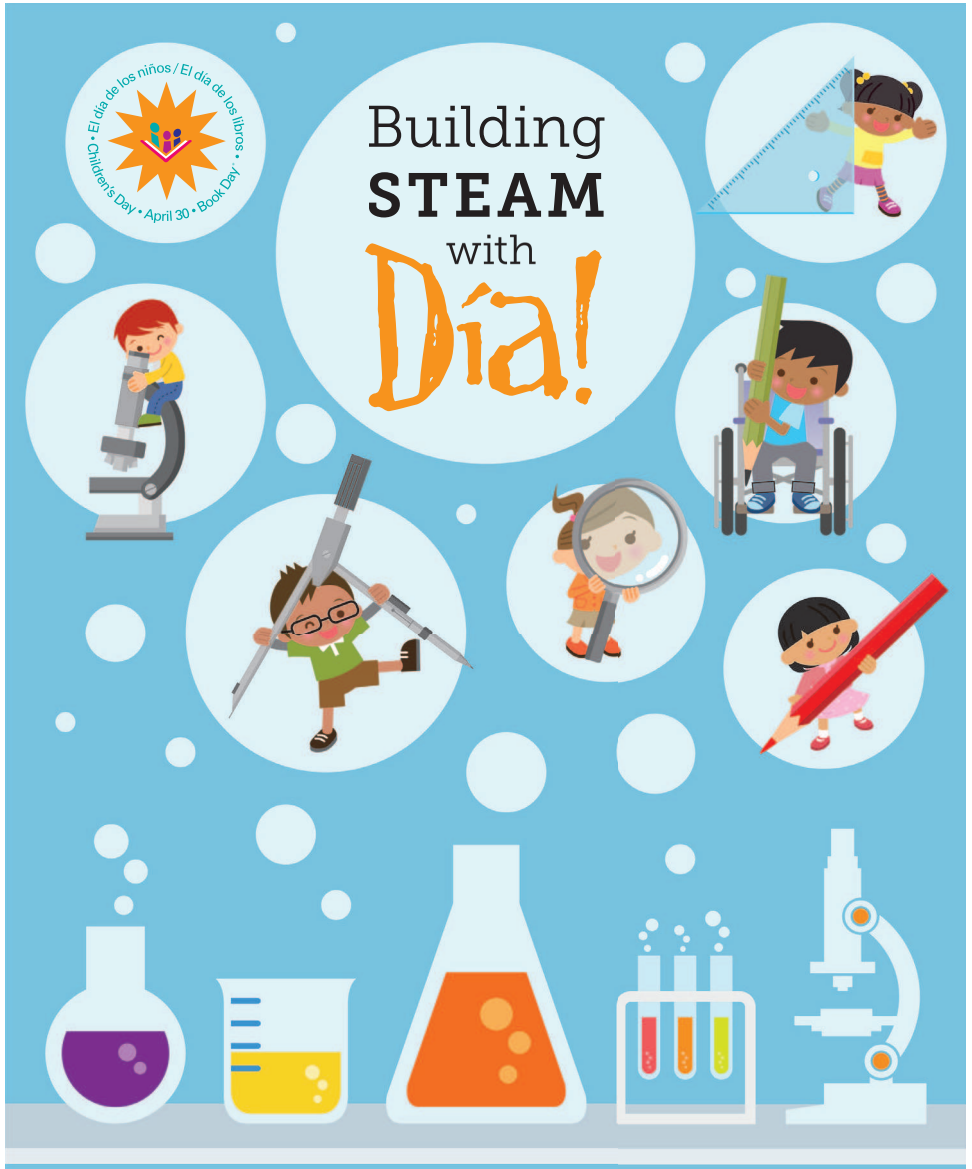

2015 Día Book List

Birth to Pre-K

dia.ala.org

Try this STEAM activity at your library or home!

Boyd, Lizi
Flashlight
Chronicle Books, 2014 • 9781452118949

- Cut various shadow puppets out of construction paper and experiment with them using a flashlight to see which create the best shadow.
- Supply black construction paper and white chalk/crayon and ask children to draw a nighttime scene. "Light up" part of the scene with white paper and colored chalk.
- Poke holes that outline a picture or symbol in a piece of black construction paper and tape it over the light on a flashlight to create your own constellations. Discuss various stars and constellations. Brainstorm names for your own constellation.
- Provide children with flashlights, turn off the lights, and ask students to find various things hidden around the room.

Key

STEAM

Science
Technology
Engineering
Arts
Mathematics

Amado, Elisa
Why Are You Doing That?
Illustrated by Manuel Monroy
Groundwood Books, 2014
9781554984534
S

Bass, Jennifer Vogel
Edible Colors
Roaring Brook Press, 2014
9781626720022
SA

Boyd, Lizi
Flashlight
Chronicle Books, 2014
9781452118949
T

Bunting, Eve
Big Bear's Big Boat
Illustrated by Nancy Carpenter
Houghton Mifflin Harcourt, 2013
9780618585373
E

Cole, Henry
Big Bug
Little Simon, 2014
9781442498976
S

DeRolf, Shane
The Crayon Box That Talked
Illustrated by Michael Letzig
Random House, 1997
9780679886112
A

Elliot, David
Henry's Map
Philomel, 2013
9780399160721
M

Fox, Mem
Diez deditos de las manos y diez deditos de los pies / Ten Little Fingers and Ten Little Toes
Illustrated by Helen Oxenbury
Houghton Mifflin Harcourt, 2012
9780547870069
M

Jenkins, Steve, and Robin Page
My First Day
Illustrated by Steve Jenkins
Houghton Mifflin Harcourt, 2013
9780547738512
S

Lyon, George Ella
All the Water in the World
Illustrated by Katherine Tillotson
Atheneum/Richard Jackson Books, 2011
9781416971306
S

Matheson, Christie
Tap the Magic Tree
Greenwillow Books, 2013
9780062274458
M

Priddy, Roger
Bright Baby Bilingual Touch & Feel: Numbers/Números
Priddy Books, 2008
9780312502157
SM

Ray, Mary Lyn
Deer Dancer
Illustrated by Lauren Stringer
Beach Lane Books, 2014
9781442434219
SA

Reynolds, Paul A.
Going Places
Illustrated by Peter H. Reynolds
Atheneum, 2014
9781442466081
E

Saltzberg, Barney
Beautiful Oops!
Workman Publishing, 2010
9780761157281
A

Stead, Philip C.
A Home for Bird
Roaring Brook Press, 2012
9781596437111
SE

Thong, Roseanne Greenfield
Round Is a Tortilla: A Book of Shapes
Illustrated by John Parra
Chronicle Books, 2013
9781452106168
M

Tullet, Hervé
Mix It Up!
Chronicle Books, 2014
9781452137353
A

Watkins, Adam F.
R Is for Robot: A Noisy Alphabet
Price Stern Sloan, 2014
9780843172379
T

Wright, Danielle
Korean Nursery Rhymes: Wild Geese, Land of Goblins, and Other Favorite Songs and Rhymes
Illustrated by Helen Acraman
Tuttle Publishing, 2013
9780804842273
A

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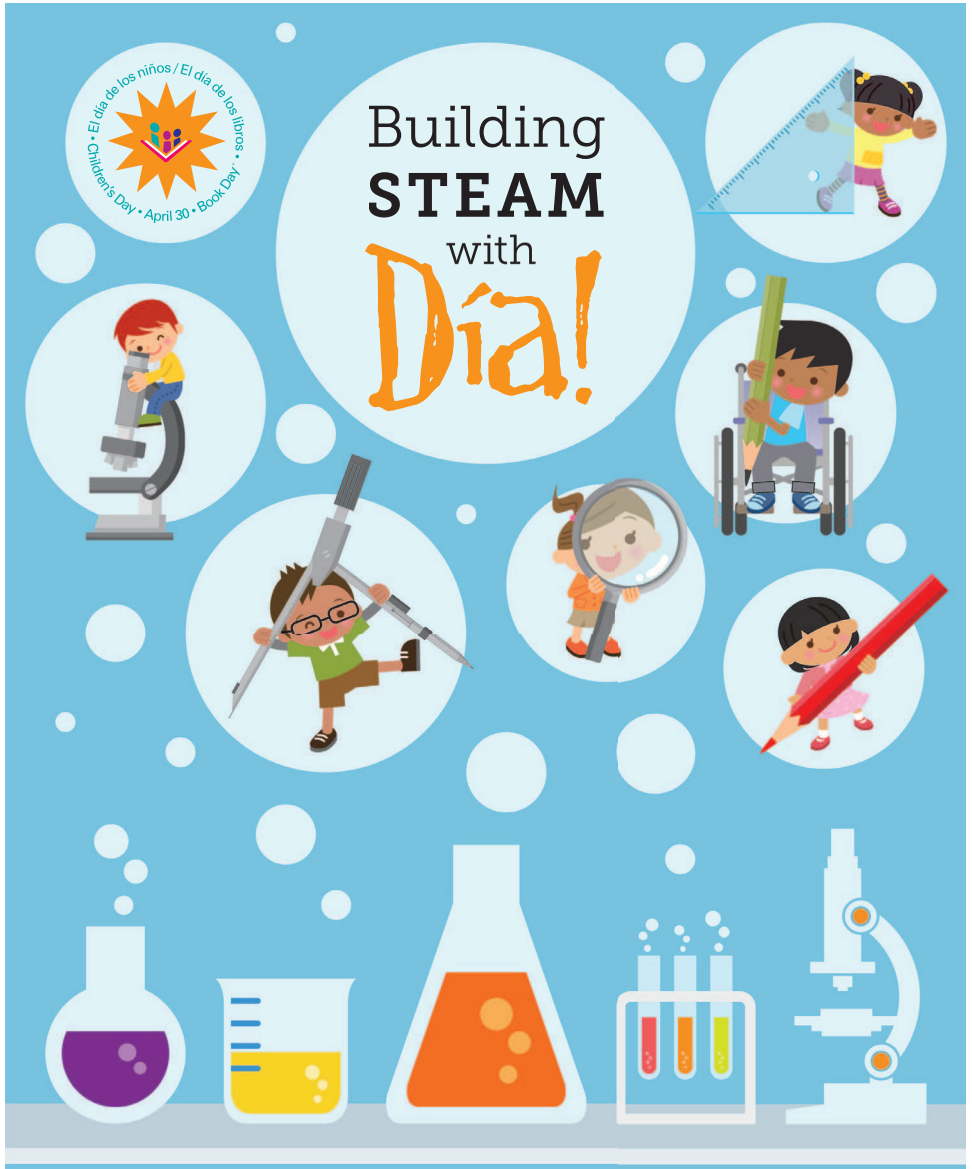


2015 Día Book List

Kindergarten to 2nd Grade

dia.ala.org

Try this STEAM activity at your library or home!

Bryan, Ashley
Ashley Bryan's Puppets: Making Something from Everything
Atheneum Books for Young Readers, 2014 • 9781442487284

- Have a variety of sea shells, rocks, and found objects. Have kids choose a couple of them and write a poem or simply say something it reminds them of.
- Using a variety of items, like cardboard tubes, paper cups, googly eyes, craft sticks, and glue — have children work in groups of 2-3 to build a puppet. Ask students to name their puppet and introduce them to the other groups.
- Use recycled materials to make a sculpture (a plastic bottle might work well as the base), then give it a name and write a poem or a few sentences about it.
- Lead children on a nature walk and have them collect a few items they would like to use to create a puppet. The base of the puppets could be a paper bag.

Key

STEAM

Science
Technology
Engineering
Arts
Mathematics

Alakija, Polly
Counting Chickens
Frances Lincoln Children's Books, 2014
9781847804372
M

Beaty, Andrea
Rosie Revere, Engineer
Illustrated by David Roberts
Abrams, 2013
9781419708459
SE

Bryan, Ashley
Ashley Bryan's Puppets: Making Something from Everything
Atheneum, 2014
9781442487284
A

Campbell, Sarah C.
Mysterious Patterns: Finding Fractals in Nature
Photographs by Richard P. Campbell & Sarah C. Campbell
Boyds Mills Press, 2014
9781620916278
M

Chin, Jason
Gravity
Roaring Brook Press, 2014
9781596437173
S

Colón, Raúl
Draw!
Simon & Schuster/Paula Wiseman Books, 2014
9781442494923
SA

Copeland, Misty
Firebird
Illustrated by Christopher Myers
Putnam, 2014
9780399166150
A

Cruschiform
Full Speed Ahead! How Fast Things Go
Abrams, 2014
9781419713385
ST

DiSiena, Laura Lyn, and Hannah Eliot
Rainbows Never End: And Other Fun Facts
Illustrated by Pete Oswald
Little Simon, 2014
9781481402774
S

Dyckman, Ame
Boy + Bot
Illustrated by Dan Yaccarino
Alfred A. Knopf, 2012
9780375867569
T

Flatt, Lizann
Sorting through Spring
Illustrated by Ashley Barron
Owlkids Books, 2013
9781926973593
SM

Fleming, Candace
Papa's Mechanical Fish
Illustrated by Boris Kulikov
Farrar, Straus and Giroux, 2013
9780374399085
TE

Gall, Chris
Awesome Dawson
Little, Brown, 2013
9780316213301
STE

Gravett, Emily
The Rabbit Problem
Simon & Schuster, 2010
9781442412552
SM

Gray, Rita
Have You Heard the Nesting Bird?
Illustrated by Kenard Pak
Houghton Mifflin Harcourt, 2014
9780544105805
S

Hosford, Kate
Infinity and Me
Illustrated by Gabi Swiatkowska
Carolrhoda Books, 2012
9780761367260
M

Kamkwamba, William, and Bryan Mealer
The Boy Who Harnessed the Wind
Illustrated by Elizabeth Zunon
Dial, 2012
9780803735118
T

Lichtenheld, Tom
Cloudette
Henry Holt, 2011
9780805087765
S

Morales, Yuyi
Viva Frida
Roaring Book Press, 2014
9781596436039
A

Reynolds, Paul A.
Full STEAM Ahead!
Illustrated by Peter H. Reynolds
Charlesbridge, 2014
9781580896757
STEAM

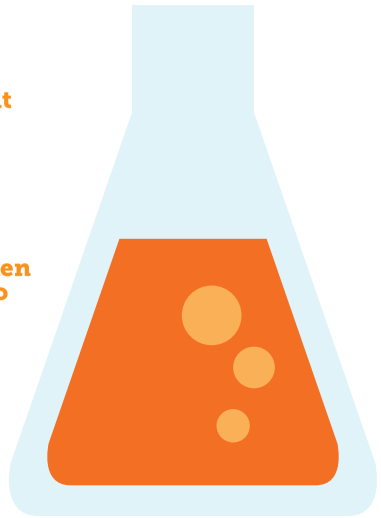
Salas, Laura Purdie
Water Can Be . . .
Illustrated by Violeta Dabija
Millbrook Press, 2014
9781467705912
S

Say, Allen
The Favorite Daughter
Arthur A. Levine Books, 2013
9780545176620
A

Senior, Olive
Anna Carries Water
Illustrated by Laura James
Tradewind Books, 2014
9781896580609
T

Spires, Ashley
The Most Magnificent Thing
Kids Can Press, 2014
9781554537044
E

Tate, Don
It Jes' Happened: When Bill Traylor Started to Draw
Illustrated by R. Gregory Christie
Lee & Low Books, 2012
9781600602603
A



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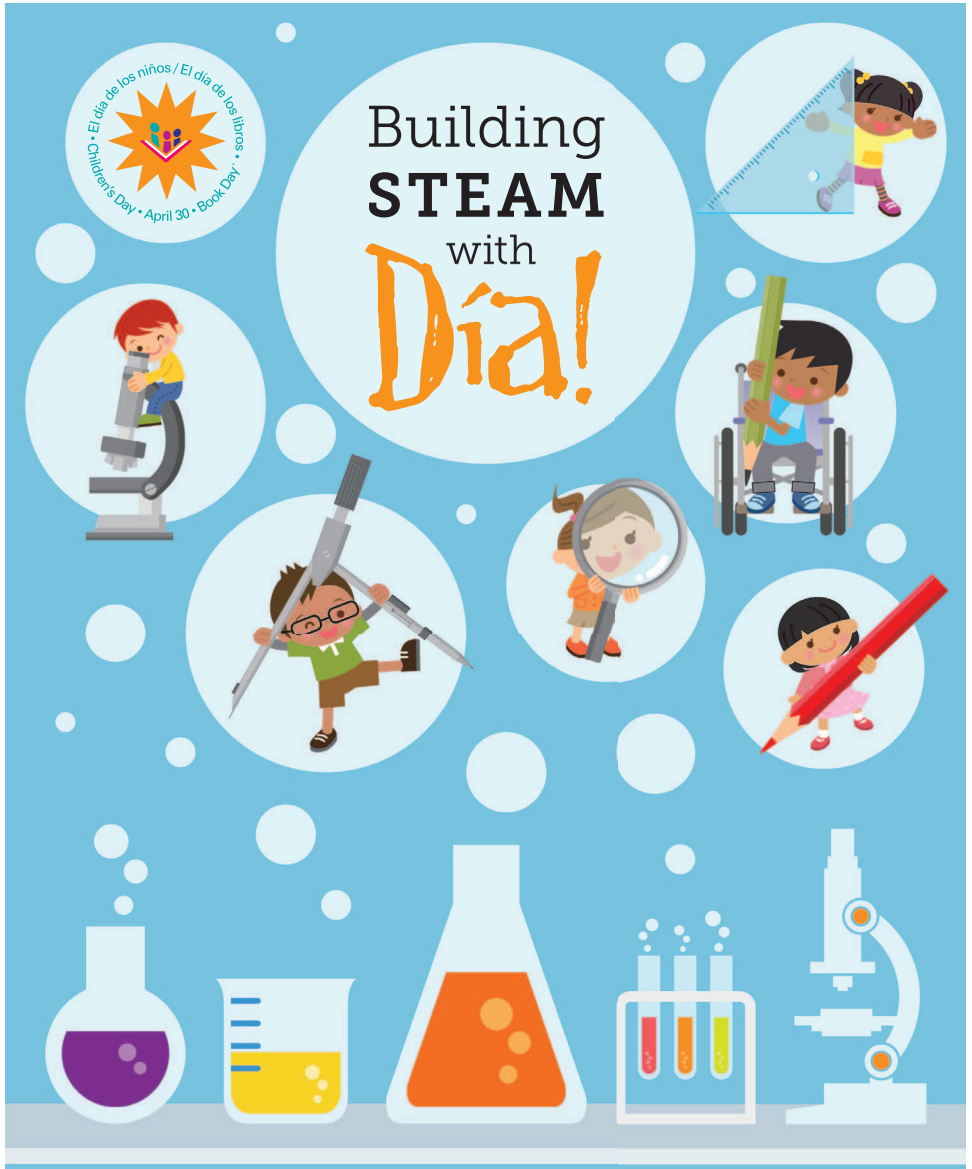

2015 Día Book List

3rd to 5th Grade

dia.ala.org

Try this STEAM activity at your library or home!

Yoo, Paula
Twenty-Two Cents: Muhammad Yunus and the Village Bank
Illustrated by Jamel Akib
Lee & Low Books, 2014 • 9781600606588

- Provide children with modeling clay and ask them to create goods to trade and barter. Discuss various economic concepts while they are creating.
- Play the online game, Lemonade Stand, with kids taking turns look at the weather forecasts and guessing how much lemonade to make.
  http://coolmath-games.com/lemonade
- Play a simple coin game of chance like left, center, right (LCR) with dice and a pot of pennies to demonstrate the possible risk of loans.
  http://en.wikipedia.org/wiki/LCR_(dice_game)

Key

STEAM

Science
Technology
Engineering
Arts
Mathematics

Bryant, Jen
A Splash of Red: The Life and Art of Horace Pippin
Illustrated by Melissa Sweet
Alfred A. Knopf, 2013
9780375867125
A

Burleigh, Robert
Look Up! Henrietta Leavitt, Pioneering Woman Astronomer
Illustrated by Raúl Colón
Simon & Schuster/Paula Wiseman Books, 2013
9781416958192
S

Burns, Loree Griffin
Handle with Care: An Unusual Butterfly Journey
Illustrated by Ellen Harasimowicz
Millbrook Press, 2014
9780761393429
S

D'Agnese, Joseph
Blockhead: The Life of Fibonacci
Illustrated by John O'Brien
Henry Holt, 2010
9780805063059
M

Davies, Nicola
The Lion Who Stole My Arm
Illustrated by Annabel Wright
Candlewick Press, 2014
9780763666200
S

DeCristofano, Carolyn Cinami
A Black Hole Is Not a Hole
Illustrated by Michael Carroll
Charlesbridge, 2012
9781570917837
S

Gale, Emily
Eliza Boom: My Explosive Diary
Aladdin, 2014
9781481406505
TE

Goldstone, Bruce
That's a Possibility! A Book about What Might Happen
Henry Holt, 2013
9780805089981
M

Hatkoff, Isabella, Craig Hatkoff, and Paula Kahumbu
Owen and Mzee: The True Story of a Remarkable Friendship
Photographs by Peter Greste
Scholastic Press, 2006
9780439829731
S

Holm, Jennifer L.
The Fourteenth Goldfish
Random House, 2014
9780375870644
S

Humphrey, Anna
Ruby Goldberg's Bright Idea
Illustrated by Vanessa Brantley Newton
Simon & Schuster, 2013
9781442480278
ST

Jenkins, Steve
Eye to Eye: How Animals See the World
Houghton Mifflin Harcourt, 2014
9780547959078
S

Johnson, Jen Cullerton
Seeds of Change: Planting a Path to Peace
Illustrated by Sonia Lynn Sadler
Lee & Low Books, 2010
9781600603679
S

Lawlor, Laurie
Rachel Carson and Her Book That Changed the World
Holiday House, 2012
9780823423705
S

Lipkowitz, Daniel
LEGO Play Book: Ideas to Bring Your Bricks to Life
DK Publishing, 2013
9781465414120
E

Markle, Sandra
The Case of the Vanishing Honeybees: A Scientific Mystery
Millbrook Press, 2014
9781467705929
S

Marrin, Albert
Oh Rats! The Story of Rats and People
Illustrated by C. B. Mordan
Dutton, 2006
9780525477624
S

Powell, Patricia Hruby
Josephine: The Dazzling Life of Josephine Baker
Illustrated by Christian Robinson
Chronicle Books, 2014
9781452103143
A

Rusch, Elizabeth
Volcano Rising
Illustrated by Susan Swan
Charlesbridge, 2013
9781580894081
S

Samuels, Charlie
Machines and Weaponry of World War I
Gareth Stevens Publishing, 2013
9781433986031
T

Trumbore, Cindy
Parrots over Puerto Rico
Illustrated by Susan L. Roth
Lee & Low Books, 2013
9781620140048
S

Yoo, Paula
Twenty-Two Cents: Muhammad Yunus and the Village Bank
Illustrated by Jamel Akib
Lee & Low Books, 2014
9781600606588
M

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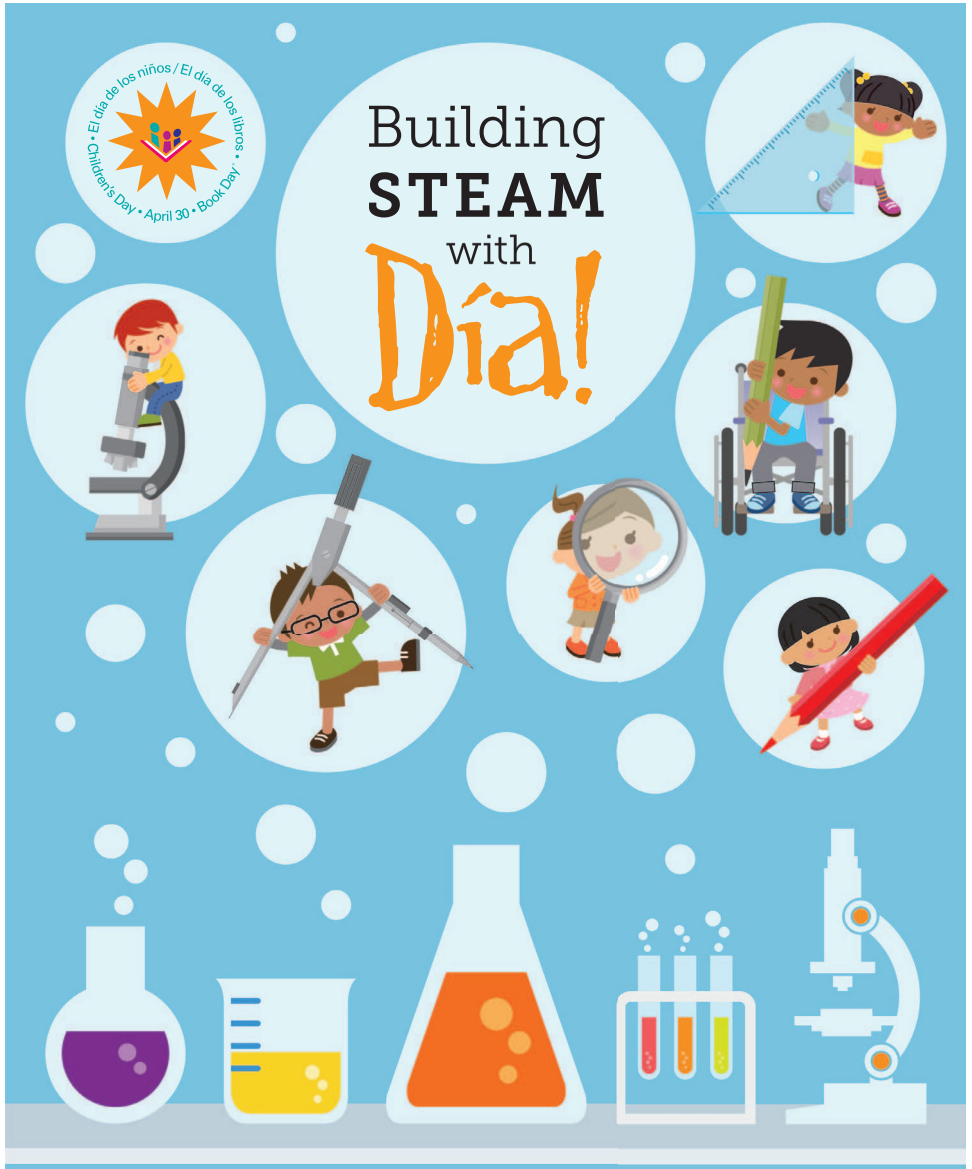

2015 Día Book List

6th to 8th Grade

dia.ala.org

Try this STEAM activity at your library or home!

Rubalcaba, Jill
I.M. Pei: Architect of Time, Place and Purpose
Marshall Cavendish, 2011 • 9780761459736

- Build the tallest tower: supply children with either toothpicks and gumdrops or masking tape and newspapers to see who can construct the tallest tower.
- Reimagine one of the projects in this book in your own way.
- Locate another building designed by I.M. Pei that is not covered in this book and identify its time, place, and purpose.

Key

STEAM

Science
Technology
Engineering
Arts
Mathematics

Albee, Sarah
Bugged: How Insects Changed History
Illustrated by Robert Leighton
Walker, 2014
9780802734235
S

Allen, Thomas B., and Roger MacBride Allen
Mr. Lincoln's High-Tech War
National Geographic Children's Books, 2009
9781426303791
TE

Aronson, Marc, and Marina Budhos
Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science
Clarion, 2010
9780618574926
S

Athans, Sandra K.
Secrets of the Sky Caves: Danger and Discovery on Nepal's Mustang Cliffs
Millbrook Press, 2014
9781467700160
A

Beram, Nell, and Carolyn Boriss-Krimsky
Yoko Ono: Collector of Skies
Abrams/Amulet Books, 2013
9781419704444
A

Bertozzi, Nick
Shackelton: Antarctic Odyssey
First Second, 2014
9781596434516
T

Castaldo, Nancy
Sniffer Dogs: How Dogs (and Their Noses) Save the World
Houghton Mifflin Harcourt, 2014
9780544088931
S

Dillon, Patrick
The Story of Buildings: From the Pyramids to the Sydney Opera House and Beyond
Illustrated by Stephen Biesty
Candlewick Press, 2014
9780763669904
E

Engle, Margarita
Silver People: Voices from the Panama Canal
Houghton Mifflin Harcourt, 2014
9780544109414
E

Fleming, Candace
Amelia Lost: The Life and Disappearance of Amelia Earhart
Random House/Schwartz & Wade Books, 2011
9780375841989
T

Hale, Shannon
Dangerous
Bloomsbury, 2014
9781599901688
S

Hawking, Lucy, and Stephen Hawking
George's Secret Key to the Universe (first in a series)
Illustrated by Garry Parsons
Simon & Schuster, 2007
9781416954620
ST

Heos, Bridget
Stronger than Steel: Spider Silk DNA and the Quest for Better Bulletproof Vests, Sutures, and Parachute Rope
Photographs by Andy Comins
Houghton Mifflin Harcourt, 2013
9780547681269
ST

Jackson, Donna M.
Extreme Scientists: Exploring Nature's Mysteries from Perilous Places
Houghton Mifflin Harcourt, 2009
9780618777068
S

Kelly, Jacqueline
The Evolution of Calpurnia Tate
Henry Holt, 2009
9780805088410
S

Macy, Sue
Sally Ride: Life on a Mission
Aladdin, 2014
9781442488540
ST

Moulton, Erin E.
Chasing the Milky Way
Philomel, 2014
9780399164491
SE

Patel, Mukul
We've Got Your Number
Illustrated by Supriya Sahai
Kingfisher, 2013
9780753470725
M

Pflugfelder, "Science Bob," and Steve Hockensmith
Nick and Tesla's High-Voltage Danger Lab: A Mystery with Electromagnets, Burglar Alarms, and Other Gadgets You Can Build Yourself
Illustrated by Scott Garrett
Quirk Books, 2013
9781594746482
TE

Reef, Catherine
Frida & Diego: Art, Love, Life
Houghton Mifflin Harcourt, 2014
9780547821849
A

Rubalcaba, Jill
I. M. Pei: Architect of Time, Place and Purpose
Marshall Cavendish, 2011
9780761459736
E

Sandler, Karen
Tankborn
Tu Books, 2011
9781600606625
S

Stone, Tanya Lee
Almost Astronauts: 13 Women Who Dared to Dream
Candlewick Press, 2009
9780763636111
ST

Tan, Shaun
The Bird King: An Artist's Notebook
Arthur A. Levine Books, 2013
9780545465137
A

Turner, Pamela S.
The Frog Scientist
Houghton Mifflin Harcourt, 2009
9780618717163
S