

YOUTH SERVICES NOTES

Week of February 29, 2016

No. 240

Montgomery-Floyd Regional Library

Crazy 8s Program

The Montgomery-Floyd Regional Libraries have been the lucky recipients of the Crazy 8s recreational math club. This program is sponsored by astrophysicist and mom, **Laura Overdeck**, who founded the **Bedtime Math** nonprofit, with the "mission to help kids love numbers, so they can handle math in real life".

Crazy 8's programming offers several free options for children to enjoy mathematical fun; a nightly email with a wacky, math bedtime story, an interactive math app for tablets and phones and a recreational math club. The Crazy 8s math club provides 3 sessions of programming for after-school interactive activities, for grades K-2 and 3-5. Each Crazy 8s club session runs for eight weeks. All session materials are provided for free and include an easily to implement curriculum.



The University of Chicago has been evaluating the Crazy 8s program over a nine month school year and the results were published recently in Science magazine. **The study found that the students who participated in the Crazy 8s program "demonstrated the equivalent of a three month advantage over their peers."**

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Highland County Public Library

STEM Programs

These are photos from two different events.

First, we had a STEM Club meeting featuring magnets. It was well attended by mostly Middle School children. We set up four different stations and they worked on challenges with magnets.



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The Library of Virginia

Mission

As the Commonwealth's library and archives, the Library of Virginia is a trusted educational institution. We acquire, preserve, and promote access to unique collections of Virginia's history and advance the development of library and records management services statewide.

Vision

The Library of Virginia will inspire learning, ignite imagination, create possibilities, encourage understanding, and engage Virginia's past to empower its future.

Finance

The Library's primary funding source is General Fund appropriations. The majority of the Library's General Fund expenses represent transfer payments to local government for state aid to public libraries. Additionally, the Library earns special nongeneral fund revenue from storage fees charged to agencies and courts for document and records storage and from local circuit court records' preservation fees.

The Library also receives federal grant funding through the Library Services and Technology Act (LSTA) of 1996. This grant promotes access to learning and information resources of libraries.

Goals

2014-2016

Collections:

Strengthen and Preserve the Library's collections and expand accessibility for the benefit of users.

Service:

Deliver courteous, accurate, and efficient information services to our customers.

Organizational Excellence:

Position the Library to effectively embrace new challenges and increasing responsibilities.

Educational Readiness and Achievement:

Engage and educate parents, teachers, and learners through programming designed to enhance early literacy readiness and to provide access to quality education resources for prekindergarten and K12 children.

This goal is critical in fulfilling the Library's mission to provide Virginians with access to the most comprehensive information resources and to elevate levels of educational preparedness and attainment of Virginia's citizens.

Associated State Goal

Education: Elevate the levels of educational preparedness and attainment of our citizens.

Education Attainment Objectives

- ◆ Increase the number of children who participate in the Winter Reading Program.
- ◆ Increase the number of children and teens who are served by public libraries through out-of-school programs and summer reading programs.
- ◆ Support the parent as a child's first teacher by implementing Early Literacy Activity Centers in public libraries and providing training on their use.

Youth Services Notes

is issued weekly by

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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.

Eastern Shore Public Library **Lego Day In February** *Submitted by Cara Burton*



Crazy 8s Program

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For students with parents who identified as “math anxious”, the demonstrated math improvement was equivalent to a six month advantage.



The **Blacksburg Branch** began offering Crazy 8s math programming this fall with great success. **Local children have participated each month in Glow in the Dark geometry with glow sticks, Marshmallow Catapults, Toilet Paper Olympics and Spy Training.** Every program is designed around fun and interactive math activities. Surprisingly, attendance at the Blacksburg branch program has averaged 85% girls. Crazy 8s has provided the Montgomery-Floyd regional libraries a huge boost in the national effort to make math more attractive to girls. Christiansburg and Meadowbrook began offering Crazy 8s math in January 2016.



Submitted by Catherine Fae. 

“Whenever they burn books they will also, in the end, burn human beings.”

~ Heinrich Heine ~

STEM Programs

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The second event was **Science Night for elementary and middle school in the school gym.** It featured the Science Fair exhibits and hands-on stations around the perimeter of the gym. Sue picked up the Sphero balls



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STEM Programs

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from Fishersville and we set up a station for the kids to try it. Due to a cancellation of the paid entertainment for the event, we got the opportunity to demonstrate the Sphero ball to the whole crowd as well. We also had the opportunity to demonstrate and exhibit the library's new Orion StarBlast 4.5" telescope that we've made available for check-out.



Thank you for sharing the Sphero balls with the library. They were a huge hit!

Submitted by Tomi Harold. 

Jefferson-Madison Regional Library – Crozet Library Displays and a Bear Cave

Hey Enid, Thanks again for all you've done for us. It was great seeing you today. I've attached the pictures you were interested in.

Two young Crozet Library astronauts explore Pam Grammer's latest interactive display that highlighted our Dark Skies, Bright Kids program with UVA's astronomy program and their portable planetarium.



Kids and their parents crawled into our bear cave to enjoy books about bears and other good reads.



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“The books we read should be chosen with great care, that they may be, as an Egyptian king wrote over his library, ‘The medicines of the soul.’ ”

~ Paxton Hood ~

Displays and a Bear Cave

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Another of Pam Grammer's beautiful displays, helping us to get ready for spring and gardening!



Submitted by Rhonda Johnson 



Read for the Win!
Summer 2016

NASA News

Public Is Invited to Send Artwork to an Asteroid

NASA is calling all space enthusiasts to send their artistic endeavors on a journey aboard NASA's Origins, Spectral Interpretation, Resource Identification, Security-Regolith Explorer (OSIRIS-REx) spacecraft.

This will be the first U.S. mission to collect a sample of an asteroid and return it to Earth for study.



OSIRIS-REx is scheduled to launch in September and travel to the asteroid Bennu. The

#WeTheExplorers campaign invites the public to take part in this mission by expressing, through art, how the mission's spirit of exploration is reflected in their own lives. Submitted works of art will be saved on a chip on the spacecraft. The spacecraft already carries a chip with more than 442,000 names submitted through the 2014 "Messages to Bennu" campaign.

"The development of the spacecraft and instruments has been a hugely creative process, where ultimately the canvas is the machined metal and composites preparing for launch in September," said Jason Dworkin, OSIRIS-REx project scientist at NASA's Goddard Space Flight Center in Greenbelt, Maryland. "It is fitting that this endeavor can inspire the public to express their creativity to be carried by OSIRIS-REx into space."

A submission may take the form of a sketch, photograph, graphic, poem, song, short video or other creative or artistic expression that reflects what it means to be an explorer. Submissions will be accepted via Twitter and Instagram until March 20. For details on how to include your submission on the mission to Bennu, go to:

<http://www.asteroidmission.org/WeTheExplorers>

"Space exploration is an inherently creative activity," said Dante Lauretta, principal investigator for OSIRIS-REx at the University of Arizona, Tucson. "We are inviting the world to join us on this great adventure by placing their art work on the OSIRIS-REx spacecraft, where it will stay in space for millennia."

The spacecraft will voyage to the near-Earth asteroid Bennu to collect a sample of at least 60 grams (2.1 ounces) and return it to Earth for study. Scientists expect Bennu may hold clues to the origin of the solar system and the source of the water and organic molecules that may have made their way to Earth.

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Public Invited to Send Artwork to an Asteroid

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Goddard provides overall mission management, systems engineering and safety and mission assurance for OSIRIS-REx. The University of Arizona, Tucson leads the science team and observation planning and processing. Lockheed Martin Space Systems in Denver is building the spacecraft. OSIRIS-REx is the third mission in NASA's New Frontiers Program. NASA's Marshall Space Flight Center in Huntsville, Alabama, manages New Frontiers for the agency's Science Mission Directorate in Washington.

For more information on OSIRIS-Rex, visit:

<http://www.nasa.gov/osiris-rex>

Email, February 19, 2016, from Andrew Shaner to Universities Space Research Association Explore distribution list. 

Lunar and Planetary Institute Earth and Space Science Newsletter

The latest issue of the Earth and Space Science Newsletter is available.

<http://www.lpi.usra.edu/education/resources/news/index.cfm>

Included in this issue

- Link to a solar eclipse and more in *Calendar*
- Learn about NASA teacher workshops, online courses, and summer workshops at *Workshops and Courses*
- Check out upcoming *Events*
- Participate in citizen science and submit your artwork to an asteroid in *Get Involved*
- Apply for *Grants and Awards*
- Connect to Earth and space science activities in *Resources*
- Read about *Mission News and Science*

Email, March 2, 2016, from Christine Shupla to LPI Education distribution list. 

“What is more important in a library than anything else - than everything else - is the fact that it exists.”

~ Archibald MacLeish ~

Public Library Association

PLA 2016 Virtual Conference Brings Learning and Networking to You

Registration for the

PLA 2016 Virtual Conference

(<http://www.placonference.org/virtual-conference/>) is now open.

On April 7-8, 2016, the Public Library Association (PLA) will share a condensed, live and online PLA Conference with public librarians and public library workers who can't make the trip to Denver.

The PLA 2016 Virtual Conference will consist of live programming, including five hour-long programs each day, plus opportunities for networking and author interviews with Lindy West and an additional guest still to be announced. Programs are chosen from among the highest rated in PLA's session preference survey.

Confirmed PLA 2016 Virtual Conference programs include:

- 52 Weeks of STEM at Your Library
- Bite-Sized Staff Training: Transform Staff Development for Busy Employees
- Data Driven Collections: Right-Sizing Library Collections
- Design Thinking at Your Library: Try Try Again
- Designing for Patron Behaviors
- Early Literacy Outreach for Teen Parents
- Extraordinarily Engaged: How Three Libraries are Transforming Their Communities
- How Two Libraries Quit Summer Reading and You Can, Too
- Libraries = Education: Reclaiming Our Purpose for the 21st Century
- Play Your Way to an Engaged Staff

PLA is offering both individual and group registration for the virtual conference. Individual registration is \$240 for PLA and CAL personal members, \$295 for ALA personal members, \$350 for nonmembers and \$115 for students. Group registration is \$595 and allows a single location to host the virtual conference for multiple attendees.

Register for the PLA 2016 Virtual Conference at www.placonference.org/virtual-conference.

Registration closes on

Friday, March 25, 2016 at 4:30 p.m. Central.

ALA Press Release, March 2, 2016 



Dates to Remember

Virginia Conferences

March 16-20, 2016.....	Virginia Festival of the Book 2016.....	Charlottesville
May 2, 2016.....	VLA Professional Associates Annual Conference.....	Williamsburg
October 26-28, 2016.....	VLA Annual Conference.....	Hot Springs

National Conferences

April 5-9, 2016.....	Public Library Association 2016 Conference.....	Denver
June 23-28, 2016.....	American Library Association Annual Conference.....	Orlando
September 15-17, 2016.....	ALSC National Institute 2016.....	Charlotte
October 27-29, 2016.....	Association for Rural & Small Libraries Conference.....	Fargo
November 4-6, 2016.....	YALSA's 2016 YA Services Symposium.....	Pittsburgh

Workshops

April 19, 2016.....	Storytime Share-n-Tell.....	Martinsville
May 3, 2016.....	Mother Goose on the Loose.....	Springfield
May 5, 2016.....	Mother Goose on the Loose.....	Chesapeake
May 6, 2016.....	Mother Goose on the Loose.....	Ashland

Library Observances, Celebration Weeks & Promotional Events

March

American Red Cross Month.....	http://www.redcross.org
Irish-American Heritage Month.....	https://en.wikipedia.org/wiki/Irish-American_Heritage_Month
National Women's History Month.....	http://womenshistorymonth.gov
Youth Art Month.....	http://www.arteducators.org/news/yam

March 2.....	Read Across America Day
March 6-12.....	Teen Tech Week
March 9.....	No Smoking Day
March 13.....	Daylight Savings Time Begins
March 16.....	Freedom of Information Day
March 23-29.....	Arthritis Awareness Week

Thanks for the photos and information!

- ◇ **Cara Burton**, Eastern Shore Public Library
- ◇ **Tomi Herold**, Highland County Public Library
- ◇ **Rhonda Johnson**, Jefferson-Madison Regional Library - Crozet Library
- ◇ **Catherine Fae**, Montgomery-Floyd Regional Library
- ◇ The usual resources - Universities Space Research Association, Lunar and Planetary Institute, American Library Association