BETWEEN THE PAGES

Huntsville Public Library Monthly Newsletter

Spring Break at the Huntsville Public Library

By Herbie Pollard, Circulation Clerk

The week of March 14 through March 18 marks Spring Break here at Huntsville Public Library. Throughout the week, we're hosting educational events for all ages, and welcome patrons new and old to visit and meet our talented program coordinators and instructors.

For those musically inclined, we are featuring Beginner Guitar classes on Wednesday and Friday. Class topics will include the parts of the guitar, how to strum and use a guitar pick, and basic open-position chords. A class for teens will take place on Wednesday, March 16, and a class for adults will happen on Friday, March 18. Each class will be held at 5:00 p.m. in the Staggs Community Room. Participants should register at myhuntsvillelibrary.com and remember to bring your own guitar!

Young patrons looking for more ways to express their creativity are encouraged to join us to learn a craft during Spring Break. Teens can learn macrame on Wednesday, March 16 at 3:30 p.m., and children ages 5 to 12 can learn to "throw clay" during our pottery workshop on Friday March 18 at 3:00 p.m. For those participating in this event, be sure to wear clothing that can get dirty!

Beyond the arts, our Spring Break schedule includes exciting scientific activities too. Kids ages 5 through 9 should join us from 11 a.m. until noon on Monday, March 14 to develop coding skills through the design of dance sequences using programming blocks. Register at myhuntsvillelibrary.com for this program. Elementary school age patrons are welcome to attend two science programs we're hosting Spring Break week. On Monday, March 14 at 12:30 p.m., enjoy "An Avian Adventure," where we will explore Texas birds living in our own backyard as well as North American birds of prey. Then, on Thursday, March 17 at 3 p.m., come to our Mad Science program, "Fire and Ice," to learn about chemical reactions and the phases of matter. Although registration for "An Avian Adventure" and "Fire and Ice" is not required, late arrival may prevent entry as a maximum attendance for each program will be enforced in accordance with presenter and fire code regulations.

No one, whether an artistic or scientific type, should miss out on our 3D printing classes. Adults can join us Monday, March 14 and teens on Tuesday, March 15 at 2 p.m. to learn about the history of 3D printing and observe a live demonstration of our new 3D printing equipment. (See more about this subject in the accompanying article in this month's Between the Pages.) Registration is required, so grab your spot now at myhuntsvillelibrary.com.

Monday	Tuesday	Wednesday	Thursday	Friday
Coding with Dance @ 11:00 a.m. (Ages 5 to 9)				
"An Avian Adventure" @ 12:30 p.m. (Ages 5 to 12)		Yarn Wall Art @ 3:30 p.m. (Teens)	Mad Science "Fire and Ice" @ 3:00 p.m. (Ages 5 to 12)	Pottery Class @ 3:00 p.m. (Ages 5 to 12)
3D Printing @ 2:00 p.m. (Adults)	3D Printing @ 2:00 p.m. (Teens)	Guitar for Beginners @ 5:00 p.m. (Teens)		Guitar for Beginners @ 5:00 p.m. (Adults)

Turning 65?

By Mary Kokot, Adult Services Coordinator

What do you know about Medicare? Probably everyone knows that Medicare is health insurance for those 65 years or older. But how do you sign up? And when? And how? Learn the "A, B, C, and D's of Medicare" from Keri Harvie, a Benefit Advisor specializing in Medicare, the third Tuesday of every month at the Huntsville Public Library. Some of the topics to be covered are:

- How and when to enroll in Medicare, as well as what happens if you are already on Medicare and turning 65
- When you are allowed to change plans (Annual Enrollment and Special Enrollment Periods)
- Medicare Health Plan Coverage Choices (Medicare Supplement & Medicare Advantage Plans)
- Prescription Drug Plans
- What if I plan to keep working? What if my spouse isn't on Medicare?

Ms. Harvie will guide attendees through the (sometimes confusing) labyrinth of Medicare and answer any questions you might have. Plan to attend the one-hour meeting on Tuesday, March 15 from 11 a.m. to 12 p.m. in the Nash Board Room. Come back every month, if needed, until your questions are satisfied.

Learn more online at https://www.medicare.gov/basics/get-started-with-medicare.

3D Printing at the Library

By Josh Sabo, IT Services Coordinator

What technology is 80 years old in theory, 40 years old in practice, and looks brand new? Believe it or not, it's 3D printing! Printing in three dimensions has changed and grown over the years, with the most common process nowadays being what is referred to as "material extrusion process." This process involves feeding material, usually PLA (a biodegradable plastic made from corn), into the 3D printer. Part of the 3D printer heats to 220 degrees celsius which melts the PLA. The melted plastic is fed through an extruder that moves around and creates the layers of the 3D print.

Some of the items 3D printed at the library

To construct a 3D model, one must first create a .stl file in a CAD (computer-aided design) software. Next, the person printing will run the .stl model file that they created through a "slicing" program. This means that the model will be sliced into each layer that the printer will need to create. The layers are usually about 0.25mm, which is incredibly thin; however. layer size can be adjusted to give the print different qualities. This sliced file becomes a .gcode file, which is a set of instructions for each layer that the printer will use when extruding the melted plastic to build the 3D part. The print process can be very time consuming and can be compounded as the print becomes more detailed and larger in size.

Most consumer-grade 3D printers have a relatively small print area, from about 5 - 10 cubic inches. To print large parts, one would need to divide the project into smaller pieces and put them together later. However, there are printers that are large enough to print things like houses and cars but these are very expensive and are not readily available to the average person.

What you can 3D print is really only limited by your imagination. It can vary from a Batman figurine to prosthetic limbs for amputees. 3D printing has also been used to create custom-made pacemakers and surgical guides for patients. Personally, I have printed musical instruments and even a mustache pencil topper!

3D printing is also growing rapidly in size and scope. There are now projects in the works that will allow the printing of food and even biological materials for medical procedures. This could benefit people who must wait on organ transplant lists by getting them compatible organs in much less time.

If you are interested in learning more about 3D printing, Huntsville Public Library has a NEW 3D printer that was purchased by the Huntsville Public Library Friends. A 3D printing class for adults will be held at 2 p.m. on Monday, March 14 in the Staggs Community Room. A 3D printing class for Teens will be held at 2 p.m. on Tuesday, March 15. Classes will cover the past, present, and future of this extremely popular, powerful, and versatile subject, complete with a live demonstration of a 3D print. Participants must complete the online registration at myhuntsvillelibrary.com. For more information, please contact IT Services Coordinator Josh Sabo at 936-291-5485.

Things Happening This Month at the Huntsville Public Library!

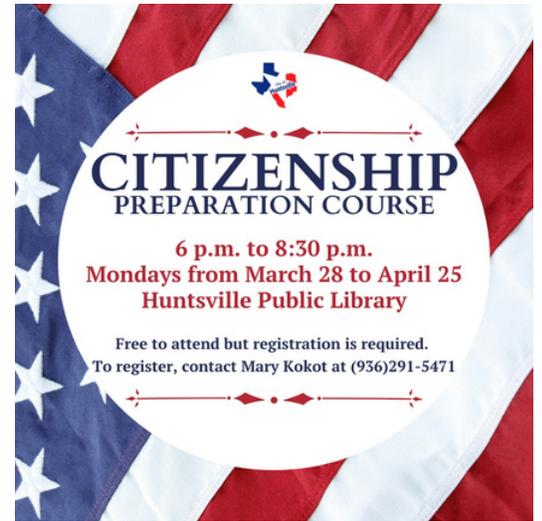## Coding with Dance!

11:00 a.m. to 12:00 p.m.
Monday, March 14
Huntsville Public Library
For ages 5 to 9

- Learn basic coding and animations!
- Online registration and a signed liability waiver is required.

For more information, please contact IT Services Coordinator Jalpa Shah at 936-291-5485.

CITIZENSHIP PREPARATION COURSE

6 p.m. to 8:30 p.m.
Mondays from March 28 to April 25
Huntsville Public Library

Free to attend but registration is required.
To register, contact Mary Kokot at (936)291-5471

POTTERY FOR KiDS!

Friday, March 18
3:00 PM

- For elementary aged children
- Participants are heavily encouraged to wear clothing that can be easily washed

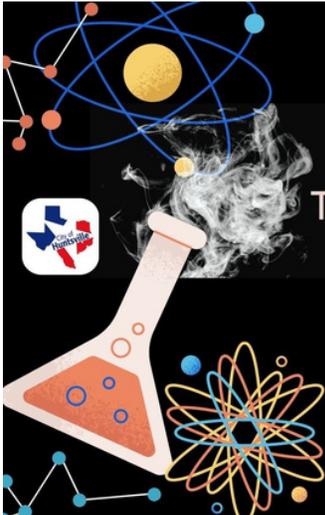For more information, please contact the IT Services Desk at (936) 291-5485

MAD SCIENCE
FIRE AND ICE
Thursday, March 17 at 3:00 PM
For elementary aged students

Huntsville Public Libray
Registration is not required but a maximum attendance will be enforced in accordance with fire code regulations.
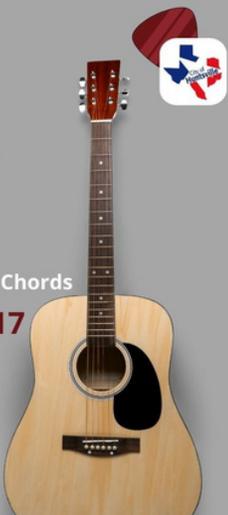
FREE BEGINNER GUITAR LESSONS

Class Topics: Parts of the Guitar, Strumming Technique, Basic Chords

5 p.m. Wednesday, March 16 for teens 13-17
5 p.m. Friday, March 18 for adults 18+

Please bring your guitar to class and register at myhuntsvillelibrary.com

An Avian Adventure

In collaboration with the Huntsville Audubon Society, Huntsville Public Library presents

For elementary aged children
12:30 p.m. Monday, March 14

LIVE BIRDS WILL BE PRESENT

For more information, please contact the IT Service Desk at (936) 291-5485