

NTCA takes rural broadband message to America's industrial site selectors

Companies looking to relocate or expand their operations have a list of features that must be available in a community for it to be considered. For most industries, a reliable broadband network is at or near the top of that list.

NTCA-The Rural Broadband Association serves as a collective voice for telecommunications companies like ours, and the organization recently shared on a national level the good work we are doing to provide broadband to rural America. In a recent issue of Site Selection magazine, NTCA placed a

full-page ad on the inside front cover of an issue focused on infrastructure. Site Selection is read by company leaders and consultants who make decisions about where to locate new businesses or industries — something on the mind of every rural community leader.

This ad is another example of how we work with other rural telecommunications providers through our national organization to tell the positive story of rural broadband, and to benefit our customers and their communities.



The ad above appeared in the September 2016 issue of Site Selection, sharing the rural broadband story with those who make the decisions on where to locate new job-creating industries in America.



BY SHIRLEY BLOOMFIELD, CEO NTCA-The Rural Broadband Association

NTCA will work with new administration on broadband challenges

ollowing the Nov. 8 election, NTCA quickly reached out to president-elect Trump's team with this message: Ensuring all Americans have sustained access to reliable and affordable advanced communications services is a long-standing national priority.

For decades, small telecommunications providers have gone above and beyond to build the infrastructure that allows our country's most rural residents and businesses to access the same services and technologies found in our nation's largest cities. The ongoing commitment of these small rural providers to their neighbors and communities is essential to making rural America a vibrant place to live, work and raise a family.

We look forward to working with the new administration and Congress to harness the enthusiasm of the rural voters who cast ballots in this election. We hope to build upon past successes to find innovative solutions to our nation's broadband challenges so that every American — rural and urban — will have access to robust and affordable broadband.

A recent analysis showed that, under a possible Trump telecom agenda, small companies would be at a disadvantage to a Trump preference for larger companies. I remain hopeful that he and his team will remember that the angst about being "forgotten" in the fly-over states was part of his victory path to the White House, and that rural telecommunications providers will have their voices heard around his policy table. 🗀

Save money on phone or broadband service

You may be eligible to receive a discount on your phone or broadband service through Lifeline, a federal program designed to help low-income Americans pay for vital telecommunications services.

Several changes to the Lifeline program went into effect in December, with the goal of continuing the mission of assisting all Americans to get connected and stay connected with today's technology. One of the most important changes to the program is that it now helps consumers pay for a broadband connection.

How much will Lifeline save me?

If you qualify for Lifeline, you will receive a credit of \$9.25 each month on your bill.

7

What services are covered by this credit?

You have the choice (where applicable) of applying your benefit to one of three types of service offerings:

- Fixed or mobile broadband
- Fixed or mobile voice-only
- Bundles of fixed or mobile voice and broadband

NOTE: Lifeline can only be used for one source of communication — mobile (cellphone) or fixed (landline).

7

Can I receive more than one Lifeline credit?

No, consumers are allowed only one Lifeline program benefit per household.

9

How do I qualify?

You are eligible for Lifeline benefits if you qualify for and receive one of the following benefits:

- SNAP
- Medicaid
- Supplemental Security Income (SSI)
- Federal Public Housing Assistance
- The Veteran's Pension or Survivor's Pension benefit.

Additionally, consumers at or below 135 percent of the Federal Poverty Guidelines will continue to be eligible for a Lifeline program benefit. (State determinations of income will no longer be accepted.)

There are no changes to the eligibility criteria for Tribal programs.

Some state-level allowances and stipulations may apply. Please check with your local telecommunications provider for information about benefits that may be available at the state level.

7

How do I enroll in the Lifeline program and start receiving this benefit?

To find out whether you qualify for Lifeline assistance, you must fill out standard forms available at your local telephone company's office.

NOTE: Your telephone company is not responsible for determining who qualifies for these programs or who receives assistance. Consumers must meet specific criteria in order to obtain assistance with their local telephone and/or broadband service, and qualifying is dependent upon government-established guidelines.

Do you qualify? Stay connected with a Lifeline discount. Apply today!

The need for speed over 10 years

magine if Ford built a car that could drive five times faster than the 10-year-old vehicle you are driving. Or what if Kenmore came out with an oven that could cook a casserole 10 times faster than it did a decade back? That seems a little far-fetched, don't you agree?



JIM COOK General Manager

There's one industry where this kind of incredible increase has become the norm, and the upgrades we're making here at NHTC are bringing these incredible advancements to your homes and businesses. As we enter a new year, it's always interesting to look back at where we were in years past. Ten years ago, we were proud to offer speeds of 1.5 Mbps or even 3 Mbps to our customers, and in most cases, that connection offered plenty of capacity to meet their needs.

Now, in 2017, we can offer speeds of up to 50 Mbps in some areas — 10 or even 20 times faster than the fastest connections we could offer 10 years ago. In areas where the network is not yet capable of such speeds, we're working to expand and upgrade equipment to make higher speeds possible.

Why is this progress important? A study released in 2015 showed that adults spend twice as much time online now as they did 10 years ago, and teenagers spend three times as much time online as teenagers did a decade back.

And the changes go deeper than just time spent online. The way people are using their time spent on the internet has changed in that decade. While some early adopters were starting to try to stream movies in 2006 or 2007, it was not the norm. Now, streaming has gone mainstream, bringing with it the huge demands for faster broadband speeds. The past decade has seen the most photographed years in human history, and most of those photos are being published or stored online. In 2007, most music lovers still waited for CDs to get new music, whereas now we stream or download most of our songs.

Today we use our broadband connections to order pizza, buy groceries, collaborate with co-workers, sell products, learn new skills and connect with friends in ways we could barely imagine just a decade ago.

Just take a moment to think about how many ways you use the internet every day. With all of these changes, NHTC still has customers who have not changed their internet speeds in years. As you'll see on Page 12, having the proper broadband speed is the best way to ensure you are getting the most out of your devices.

Looking back on the past year and the past decade, I'm proud of what we've been able to accomplish at NHTC. I hope you will take a moment to evaluate your broadband needs and be sure you are taking full advantage of the robust network that is available to you. We have made these upgrades so that you, our customers, can enjoy a higher quality of life. 🗅

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On the Cover:



Kathy Curry has enjoyed watching birds since childhood. Now, her backyard oasis in Grant serves as a personal bird sanctuary. See story Page 8.

Crafts and Cash

A homemaker club holds successful craft show and honors police

The Owens Cross Roads Homemakers hosted a craft show on Sept. 10, 2016. "We are now able to continue another year of improving our community based on the needs presented to us from our fellow neighbors," says Linda Harris, the group's chair of publicity and membership.

The craft show is the annual fundraiser by the club to help support the community. Recently, the club awarded a citizenship scholarship to a New Hope High School senior and purchased books for the New Hope library. Club members also baked a birthday cake each month for seniors at South Hampton Nursing Home and Rehabilitative Center in Owens Cross Roads. They made blankets, booties and caps for the Neonatal Unit at the Huntsville Hospital for Women and Children, and they also bought Christmas decorations for downtown Owens Cross Roads and purchased a new nozzle for the fire depart-

"We like to hear from people about what they think the community's needs are, and we do our best to meet them," Harris says.

The names of everyone who attended the fair, or who previously purchased a ticket, were entered in a drawing for a \$500 Visa gift card. The winner was Scott Greene from New Hope.

"We homemakers look forward to serving our community for another year. We welcome ideas on how to help improve both New Hope and Owens Cross Roads," Harris says.

On Aug. 23, 2016, the club, along with community leaders, also honored New Hope and Owens Cross Roads police officers with a dinner at Owens Cross Roads United Methodist Church. The meal included barbecue chicken, hamburgers, baked beans, potato salad, chips, cake and homemade ice cream.

"We wanted them to know how grateful we were for the job they do to help and protect us each day," club member Shirley Whorton says. State Rep. Ritchie Whorton provided a gift for each officer present at the meal.

"The Homemakers Club is an invaluable asset to our communities. We at NHTC applaud the Homemakers Club on their efforts to give back to our communities, and it is our pleasure to share their generous efforts with our members," says NHTC Marketing Administrator Christy Nelson.

Harris encourages anyone who has a suggestion for a need in the community to contact her at 256-479-9628.



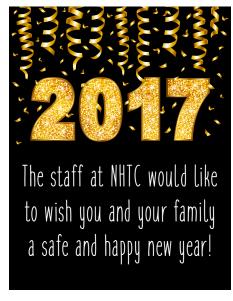






- Visit BroadbandBuildsBusiness.com
- Complete the online nomination form
- Share the link on Facebook and Twitter
- Encourage others to nominate their favorite small business

Hurry, the deadline for nominations is March 10!









TRIPS FOR THE BIRDS

Join others from around the world in an annual bird count

ou don't have to travel far to watch the birds. Your own backyard will do the trick, and you can help the Cornell Lab of Ornithology and the National Audubon Society with the annual Great Backyard Bird Count. All you need is a pair of binoculars and a computer.

The count is an online citizen-science project to collect data on wild birds and to display results in near real time, creating an annual snapshot of the distribution and abundance of birds around the world. Last year, more than 160,000 bird lovers participated, counting 5,689 species of birds in 130 countries.

During the count, you can explore what others are seeing in your area or around the world. Share your bird photos by entering the photo contest, or enjoy images and actual bird sounds pouring in from across the globe.

You must create a checklist before getting started. It's all free and fun. This year's count is Feb. 17-20. All that is required of you is to tally the numbers and kinds of birds you see for at least 15 minutes on one or more days of the count.

It's during the months of winter that some birds, just like their human counterparts, become snowbirds, visiting the South for a little warmth. One of the best things about bird-watching is that it takes nothing more than your eyes, ears and birds. If you really want to get fancy, add some binoculars and a good bird guide and you're ready to go.

For more information and to start a checklist, go to gbbc.birdcount.org. Here are some places around the South that take you out of your backyard to start you on a birding adventure.

REELFOOT LAKE, TENNESSEE

Tucked into the northwest corner of Tennessee, Reelfoot Lake is a wonder of nature. The lake was formed during a large earthquake in the early 1800s, leaving a massive swamp and creating the perfect mix of water, trees, reptiles and fish to attract birds by the score — and bird-watchers, too.

The most common birds are bald eagles, white pelicans, geese, ducks, short-eared owls, the Lapland longspur and 23 species of warblers. But if you have patience, you may even see a golden eagle, black-billed cuckoo or a long-tailed jaeger.

"Birding is prevalent here because we are located on the Mississippi River Flyway, so migration is great," says MaryAnn Holt, administrative assistant at the Reelfoot Lake Tourism Council.

The best areas for viewing are on the Mississippi levee, the Reelfoot National Wildlife Refuge/Walnut Log area and Reelfoot Lake itself. "You can see thousands of geese, ducks and eagles," Holt says.

"Bird-watching has brought many, many

people to our area," she adds. "The eagles bring many here December through March — some days you can see up to 50 eagles a day."

- Reelfoot Eagle Festival: Feb. 3-5. Admission: \$5. Bus tours, children's activities and more.
- ▶ Information: reelfoottourism.com.

RAINS COUNTY, TEXAS

Rains County is known as the Eagle Capital of Texas for good reason. With large bodies of water full of fish and surrounded by tall trees, such as Lake Fork and Lake Tawokoni, it's the ideal place for feeding, nesting and raising their young.

"A newly mated pair of eagles may look over an area for several years before building a nest to make sure it's in the right location," says Amanda Pruitt with the Rains County Chamber of Commerce.

Each January, the county celebrates its bald eagle population with Eagle Fest. Barge tours take visitors out on the water where they might witness an eagle swoop down to grasp its prey with its magnificent talons or see its nest high in a lakeside tree.

There are also bus tours, but Pruitt says barge tours offer the best chance of seeing America's national bird. Eagle Fest also includes a walk on the wild side, with eagle shows throughout the day and wild-life demonstrations in an outdoor setting.

- Admission: \$5 (festival), \$10 (bus tours), \$25 (barge tours).
- Information: www.rainscountycham berofcommerce.com or 903-473-3913.

LAND BETWEEN THE LAKES, KENTUCKY

With two rivers flowing to create a massive greenway host to more than 250 species of birds, Land Between the Lakes is one of the best places to bird watch in Kentucky. Listen to the song of a warbler, watch the playful antics of the eastern towhee, or see the beautiful blue of an indigo bunting or the majesty of an American bald eagle taking wing. It's the best of Mother Nature all on display.

"During winter, many northern birds, such as bald eagles, ducks and geese, pelicans, kinglets and waxwings, migrate to the Land Between the Lakes area," says Aviva Yasgur, a naturalist at Land Between the Lakes Nature Station.

Many wintering birds are fish eaters, drawn to Kentucky and Barkley Lakes.

"Anywhere near the water is a good place to look for birds," Yasgur says.

Some people like to get out on the lakes by boat, so the Nature Station accommodates them on guided eagle-viewing cruises. For those who like a nice hike, both the Hematite Trail and Honker Trail go around small lakes and offer great birding opportunities. And if you're lucky, you might spot some rare sights: a golden eagle, tundra swan or sandhill crane.

- Birding opportunities: Eagle-viewing river cruises and van tours.
- Information: www.landbetween thelakes.us.

CAROLINA SANDHILLS NATIONAL WILDLIFE REFUGE, SOUTH CAROLINA

Winter months change the face of the Carolina Sandhills National Wildlife Refuge as migratory birds flock to the area, putting out tweets that beckon birdwatchers to gaze upon the playful antics of warblers and sparrows. Listen for the distinct call of red-cockaded woodpeckers, just one of the hundreds of species found there. The refuge, spanning more than 45,000 acres, offers a mosaic of habitats perfect for a diversity of birds.

"South Carolina is essentially a watershed where you can see bird species from the mountains, to the piedmont and to the coastal plain," says Nancy Jordan, wildlife biologist.

The best places for bird-watching in the refuge are in open fields located along the main drive where raptors and wild turkeys may be spotted. Put on your boots and walk the Woodland Pond Trail where you might catch a glance of a Bachman's sparrow or perhaps the rarest of all, the lark sparrow. There are also several lakes, wetlands and bottomlands where untold numbers of ducks, geese, hawks and turkeys come to nest and feed. Just don't go expecting to see Sandhill cranes because of the refuge's name, which comes from

its geographical location in McBee, South Carolina, a town in the center of the state between coast and mountains.

- ▶ Points of interest: Lake Bee (picnic shelters and tables; restrooms); Oxpen Area (scenic views with observation tower); Martin's Lake (picnic area with photography blind).
- ► Information: www.fws.gov/refuge/ Carolina Sandhills

NORTH ALABAMA BIRDING TRAIL

With 50 bird-watching sites in 12 of Alabama's northern counties, there's a place for bird-watching at its best: the North Alabama Birding Trail.

Carrie Threadgill, a nongame biologist with the Alabama Division of Wildlife, says the diversity of North Alabama's geography, with large lakes and the Tennessee River, combined with mild winters and waste grains in neighboring fields, make an ideal winter home for waterfowl and other birds.

"The most exciting bird reported in the area in the winter time would have to be the endangered whooping crane," she notes. "Their winter numbers have increased over the last few years, and we now have a substantial part of an experimental population wintering in North Alabama."

Other birds becoming more common along the Tennessee River in Alabama are American white pelicans and common loons.

The North Alabama Birding Trail is not an actual trail that you can hike. It's a network of points that are excellent for bird-watching. Printed guides, an app for iPhone users and GPS coordinates are available at alabamabirdingtrails.com.

- Popular stops along the trail: White Springs Dike at Wheeler National Wildlife Refuge; the dam at Guntersville Lake; and Town Creek Marsh in Town Creek, Alabama.
- ► Information: www.alabamabirding trails.com. □



BY MELISSA SMITH



athy Curry grew up with a love of nature thanks to her parents, who made sure their children had plenty of adventure in their lives.

"We were a very outdoor-oriented family," Curry says of her parents, who always had an RV. Many of her child-hood vacations were spent camping on the Florida coast, as well as inland from the Smoky Mountains to Niagara Falls. "We would leave the day school got out and stay gone all summer," she says.

But, one thing remained constant — her parents, Charles and Ola Johnson, took pride in teaching their children about the world around them, including identifying birds. "Mother was always pointing out different birds, and she loved to go to Lake Guntersville to see the eagles," Curry says. "She would also stop the car if she saw an interesting bird."

Her father taught her how to do bird calls, a skill that she has passed down to her children and will soon teach her grandchildren. "You can actually sit outside and whistle, and if there's one near you, it will answer," she says after mimicking a bobwhite call.

She has carried her childhood love for nature into adulthood. Growing up in Geraldine and later moving to the Guntersville and Huntsville areas, Curry has always been close to prime birdwatching areas around local state parks like Buck's Pocket, Monte Sano and DeSoto State Park.

Curry, who owns Huntsville Massage Professionals, and her husband, Roger, have recently moved to Grant, but she has made her backyard an oasis wherever she has lived. At one time, she had a pond with ducks, blue heron and geese. She built nesting houses and helped raise ducklings. "When I had children, my birdwatching kind of fell by the wayside," she says. Curry decided to open her own business so she could make her own hours and enjoy more time with family. By doing this, she found she had more time for bird-watching.

Now, she has a small orchard on her property, as well as a waterfall feature. She has many feeders and fountains where birds often come to bathe. The crown jewel of her backyard is a sprawling garden with flowers to attract birds.

BIRDS ABOUND

Cardinals, or redbirds, are Curry's favorite. She sees many of them in her yard throughout the year. "They're just majestic and beautiful. Cardinals sing such beautiful songs, but their red color is so appealing," she says.

According to Southern folklore, redbirds are loved ones who have passed and return to check on those they have left behind. Many find comfort and

solace when cardinals appear. Males are a brighter shade of red, and the females have a brown tint to them.

Doves, American goldfinch, robins, mockingbirds, blue jays, whippoorwills, hawks and hummingbirds also make frequent appearances in her backyard. "We sometimes see blue herons on the water," Curry says. She and her husband love to kayak on Lake Guntersville, where they occasionally see osprey and bald eagles.

Putting out different bird feeders with different types of food draws the birds into Curry's backyard. "I always see doves on the ground, and they're always in a pair," she says. "They never eat out of the feeders." Doves like to eat corn and sunflower seeds, but finches need a tiny grain because they are a much smaller

Curry says she can often see as many as 50 birds while looking out her back window. The best time of year for bird-watching is in the spring and summer. "You can see a lot of migratory birds coming back through in the spring," she says. Midday and early morning are the best times to see birds.

Technology also helps Curry identify all the different birds she comes across. Her favorite app on her phone is iBird, and her favorite website is whatbird.com. "When I'm outside, I always have my phone, and I take photos of the feeders with the birds around them," she says.

Users can enter different identification information into the app and on the website to help determine what kind of bird they saw. Also, iBird helps users figure out what kind of food is best for the birds.

Aside from the usual fowl she sees on the property, Curry sometimes gets lucky and sees a rare bird. "I'm always looking for eagles, but it's a big treat to see an owl," Curry says. An owl family once lived on her property, and she was often able to view them at dusk.

For Curry, bird-watching relieves stress. "It takes away all the worries of the world," she says. She often spends mornings on her back porch, which is her time of meditation and prayer.

"I look around at all the birds and butterflies, and I know God created all these things," she says. "You feel a little closer to God when you're outside like this."



EASY BIRDING

Bird-watching can be made fun and easy with some of these apps available for download on your smartphone:

- Peterson Birds
- National Geographic Birds
- Sibley e-Guide to Birds
- Audubon Birds A Field Guide to North American Birds



Helping your kids use technology wisely begins with setting boundaries

"Mom, can I take my iPad?"
"Is there going to be Wi-Fi?"

These are two of the most frequently asked questions by my boys when it's time to go. Sometimes the answer is yes, and sometimes it is no. The truth is, I want my kids to love and use technology but not let it consume their lives. Gadgets are wonderful for kids, but only if they are used in moderation. I believe the negative effects of kids being online too much comes down to parenting, not technology. There must be balance in our children's lives, and that includes technology skills.

My sons, Dalton, 10, and Patton, 7, love their iPads and video games. If they had their way, they might play with them all day and all night. Luckily for my sons — whether they like it or not — they don't get that as an option. They also need to help with chores, play with toys, draw, be active in sports, talk with friends and have imaginative adventures. All of these skills are important for them to become well-rounded adults.

Technology is a huge part of my life. I live and work in a town with less than 400 people, but I have gigabit internet service to our home so I can work as a technology education consultant. My husband works on the family cattle ranch, so we don't have the option to move to the big city. I have found a way to work the type of career I want and still live in a small town. My job is helping people use and understand broadband, gadgets and all that goes with it in today's world.

So, you might ask, how do I keep my



boys from turning into anti-social, techie monsters? It comes down to parenting and setting boundaries. It's that simple. Sometimes we just have to take something away. We have rules, and we enforce those rules. We aren't perfect parents (far from it), but we are trying to find the balance that works for our family. I also have some helpful apps, gadgets and resources that help me to manage their online activity and keep them connected but safe. I look forward to sharing some of those in future issues.

"I have long felt that the way to keep children out of trouble is to keep them interested in things."

---Walt Disney



CARISSA SWENSON is a training and education consultant for Consortia Consulting, a Nebraska-based company. She also serves as a director for Consolidated Telecommunications Cooperative in Dickinson, North Dakota. Carissa's columns on Parenting in the Digital Age will appear throughout the 2017 issues of this magazine.





You don't have to understand how to use all the technology your kids use, but you need to be aware of what they are doing. Create rules, enforce rules and stand by your rules when it comes to using technology.



he phone rings, and an automated voice on the line claims to be from the Internal Revenue Service, explaining that a lawsuit will be filed if taxes aren't paid. Or another call might be left on voicemail with a similar message and phone number, asking for someone to call back immediately for more information about the lawsuit.

But any call from someone claiming to be the IRS is a scam, says Cindy A. Liebes, regional director for the Federal Trade Commission, southeast region.

"People think 'What if it really is the IRS?" she says. "But the IRS will never call vou."

The frequency of this type of impostor scam has grown dramatically. "They're hoping you will call them back and give them your personal information," she says.

It's difficult to catch the scammers because they spoof the telephone number. "The number you see may not be the number from which they are calling," Liebes says. "The scammer may actually be calling from overseas."

WHAT DO THIEVES DO WITH YOUR INFORMATION?

Once identity thieves have someone's personal information, they can drain a bank account, run up charges on credit cards, open new utility accounts or get medical treatment using someone else's health insurance, Liebes says.

"An identity thief can file a tax refund in your name and get your refund. In some extreme cases, a thief might even give your name to the police during an arrest," she says.

There are clues if someone's identity has been stolen, such as withdrawals from a bank account that can't be explained or missing credit card statements or other types of bills in the mail. "Monitor your accounts," Liebes says. "If you don't get your Macy's bill this month, don't think, 'Woo-hoo! I don't have to pay the bill.' It might be a good indicator that someone has stolen your identity."

Other common clues are merchants refusing to take a check or debt collectors calling. "You might find unfamiliar accounts or charges on your credit report," she says. "A medical provider might bill you for services you didn't use."

Or, the IRS could notify someone that more than one tax return was filed in their name or that income was falsely reported from an unknown employer.

However, if a wallet, social security

number or other personal information is lost or stolen, there are steps to take to help protect against identity theft, Liebes says. "Minimize personal information you carry in your purse," she says. "Don't put passwords somewhere on your smartphone."

If someone's identity is stolen, it's important to report it and get help, Liebes says. A report can be filed with the Federal Trade Commission, local police or both. Then, call the companies where you know fraud occurred and credit bureaus to report the fraud.

"Your identity theft report proves to businesses that someone stole your identity and makes it easier to correct problems caused by identity theft," Liebes says. There are also great resources available at identitytheft.gov. "It's a one-stop resource for victims," she says.



WHAT SPEED DO YOU NEED?

Is your connection 'just right,' or will it leave you and your new devices out in the cold?

BY ANDY JOHNS

n a cold winter day, a small electric space heater is usually enough to warm up one person, if they stay in one place. But if you have plenty of people to keep warm in a large area, you're going to need to upgrade to a bigger heater. The same is true for your broadband connection from NHTC. The broadband speeds that enabled a single computer to check email and surf the web in the past won't be able to handle tablets, a game system, a family of smartphones and a streaming box or smart TV.

And just like trying to heat a whole house with a small space heater, connecting a house full of devices over one small-bandwidth connection is likely to create frustration and leave someone out in the cold.



To understand how to meet your family's internet needs, it's important to understand some internet basics. Broadband speeds are actually measuring the capacity or amount of data a connection allows. Someone with a 50 Mbps connection can download and upload information much faster than someone with a 5 Mbps connection whether that information is from video games, high-definition movies, holiday photos or business files.

It's important to keep in mind that when multiple devices share a connection over a Wi-Fi network, they also share that connection's capacity. Two people streaming movies on different devices need twice the bandwidth as they would with one streaming device.

AVOID THE GADGET GAP

Studies show U.S. households have an average of 16 connected devices, and that number is growing. How many new connected gadgets did your family members get for Christmas? At 7:30 p.m., how many devices are in use? When you factor in how many devices your family may use at any given time, it's easy to see how your connection could be maxed out. And without the right connection, they're not getting the most out of those new devices.



If you have multiple Wi-Fi-enabled devices in your home and think you should be getting more out of your connection, contact a representative of NHTC at 256-723-4211 so they can help get you a connection that meets your family's needs.

THE GUIDE BELOW lists the recommended connection speeds for certain online services. It's important to factor in other devices that may use services at the same time. For example, if someone in your house will want to play an online game while someone else is watching Netflix, you should consider at least an 8 Mbps connection.

XBOX LIVE	Min. Download	Min. Upload
Online Gaming	3 Mbps	500 Kbps
HD Video	5 Mbps	

HULU	Min. Download
Streaming Video	1.5 Mbps

NETFLIX	Recommended Download
HD Quality	5 Mbps
Super HD Quality	7 Mbps
3D Video	12 Mbps

Mbps and Kbps stand for megabits and kilobits per second,

Fueling the fire

Teacher encourages students to find their passion in art

BY MELISSA SMITH

ight after the ring of the morning bell, art teacher Zan Edmonds sits at her desk at Kate D. Smith DAR High School. It's her planning period to prepare for the day ahead. Pencils and paintbrushes rest on her desk, and artwork from her classes surrounds her as she talks with two students before they head to their first classes of the day.

Edmonds enjoys inspiring her students. "It's their outlet," she says as she places tiny glass beads in a pattern on canvas, filling in a design with the tiny colorful beads, one by one, and securing them with crafting glue. "This is a real labor of love."

A Grant native, her goal is to allow the students to create. "I try to find that little spark of creativity," she says. "Once we find that, I try to work with them individually to help them grow."

Sometimes, that spark becomes a fire that fuels inspiration and drive. "Art is something that I'm decent at," says sophomore Kennedy Allen. "I like the atmosphere because you can just free your mind and be yourself." Allen plans to attend an art institute when she graduates. Her favorite medium is acrylics.

Treating the kids as individuals helps develop and hone their talents rather than grouping them together. "All the kids amaze me as far as their ability. I learn as much from them as they do from me. I just like to give them the freedom to express themselves through art," Edmonds says. The students can work with a range of mediums, including clay, glass, mixed media, pencil, watercolor and more.

HOME IS WHERE THE ARTIS

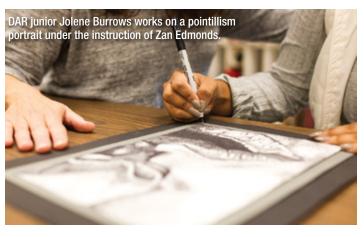
Edmonds has taught for 25 years, and this is her 14th year at DAR. For her first 11 years of teaching, Edmonds was a traveling art teacher in the Marshall County school system.

"I was 'art on a cart' for vears because I didn't have an actual classroom," Edmonds says of her days as an elementary teacher. She would move from classroom to classroom and from school to school with all her supplies in tow, literally, on a cart. Eventually, she moved to DAR and now teaches high school students.

She graduated from Jacksonville State University and majored in art with a concentration in graphic design. When she heard Marshall







County needed art teachers, she decided to go back to school and get her teaching certifica-

A DAR graduate herself, she also has two children currently attending the school, a sixthgrader and a senior. Her father is also a DAR alumnus.

Edmonds' students also make a name for the school by winning awards on the state and national levels. Currently, one

student's work is hanging in the state Capitol in Montgomery for a year-long display.

Each year, DAR has had Congressional Art Competition winners. It's a nationwide contest where students enter their work to their local representative, and if their art is chosen, they are honored at a ceremony in Washington, D.C., and their work will hang in the U.S. Capitol building for a year. 🗀

CRAZY FOR SAUSAGE

Dobbins Supermarket looks like a typical small-town grocery store. Windows are filled with signs handwritten in blue advertising weekly specials: fryer legs for 89 cents a pound, hot dogs for 99 cents a package and snack cakes — four for \$5.

But it's not chicken, hot dogs or snack cakes that bring folks from hundreds of miles away to this no-frills market atop Sand Mountain in the heart of Bryant, Alabama. It's the sausage that puts Dobbins Market on the radar of sausage lovers throughout the South.

In 1945, Gordon and Ruby Dobbins opened the market in a small store next to their home, selling hardware, groceries, feed and fertilizer — items most all farm families needed at the time, says their son, Roy Dobbins, one of the couple's nine children.

But it wasn't until Roy Dobbins took over the market, buying out his twin brother Troy Dobbins in the early 1970s, that sausage, made in-house from pigs slaughtered on the nearby family farm, appeared on the shelves in the meat department.

It didn't take long for word to spread, and now people drive from as far away as West Palm Beach, Florida, to take home packages of the prized pork, Roy Dobbins says. "They come every year and buy 60 to 80 pounds to take home for Christmas gifts," he says.

Roy Dobbins' wife, Diona, says, "It's just amazing how many people know about our sausage. We go to the doctor



in Chattanooga, and people who see our name and where we live on the sign-in sheet ask us, 'You're not those Dobbinses who make that homemade sausage, are you?'"

Linda Diggs Keefe lives in Valley, Alabama, near Auburn, and makes the 300-plus-mile round trip to Dobbins Market two to three times a year to fill a large cooler with sausage to take home. "I wish they were closer to me," she says. "I usually buy about 20 pounds every time," she says.

But it's not only for her. In her world, Dobbins sausage is for sharing. "My neighbors ask me all the time, 'When are you going back to the sausage store?" she says.

The secret to Dobbins' sausage is in the seasoning. Roy Dobbins took a Goldilocks approach in finding just the right blend. He tried one, changed it around, tried another and changed it, too. "I kept changing it till I got the one that I liked, and I haven't changed it in 15 years," he says.

There are four varieties available: mild, mild with extra sage, hot and hot with extra sage. Mild is the most popular, Roy Dobbins says.

But for Keefe, it's a mixture of mild and hot that suits her taste. "I just love it because it's so fresh," she says.

The Dobbinses make sausage regularly, slaughtering six massive 300-pound hogs to make an average of 1,500 pounds of sausage a week. At a rate like that, you may think the Dobbinses would grow weary of it, losing their taste for sausage. But no.

"I never get tired of eating it," Roy says. His sister, Delray Dobbins Wright, works in the market alongside her brother and adds, "We just like to fry it up. Make patties and serve them with biscuits and gravy and scrambled eggs."

But there are more ways the Dobbins family uses sausage when gathering for family events, sometimes as many as 70 strong, at the family homestead. From sausage balls using Cheese Whiz, to sausage rolls with the creamy richness of cream cheese, there are much-loved recipes that have come from store patrons, family and friends through the years.



Food Editor **Anne P. Braly** is a native of Chattanooga, Tennessee. Prior to pursuing a freelance career, she spent 21 years as food editor and feature writer at a regional newspaper.

SAUSAGE BALLS

- 1 pound sausage
- 16 ounces baking mix, such as Bisquick
- 8 ounces shredded cheese
- 1/2 jar Cheez Whiz
 - 1 tablespoon paprika

Combine all ingredients, mixing well. Form into balls and place on cookie sheets. Bake at 350 F for 15 minutes or until golden brown. Serve plain or with honey and/or spicy mustard.

VELVEETA SAUSAGE DIP

- 2 pounds Velveeta cheese, cut into 1/2-inch cubes
- 1 pound sausage, cooked and drained
- 1 (10-ounce) can Rotel tomatoes with green chiles, undrained
- 1 can cream of chicken or cream of mushroom soup

Put all ingredients in a slow cooker. Cook on medium-high, stirring occasionally, until cheese is melted and mixture is heated through. Serve with tortilla chips.

SAUSAGE-CREAM CHEESE CRESCENT ROLLS

- 1 pound mild sausage with extra sage
- 1 (8-ounce) package cream cheese
- 1-2 (8-ounce) cans refrigerated crescent dough

Heat oven to 375 F. In skillet, cook sausage over medium-high heat for about 5 minutes or until no longer pink, stirring frequently. Drain well. Put sausage back in skillet and add cream cheese, stirring until cream cheese is melted. Set aside. Separate crescent rolls and arrange into two rectangles. Form log of sausage mixture lengthwise down center of each rectangle. Fold over the long sides of pastry to cover sausage log. Place on ungreased cookie sheet, seam-side down. Bake 20 minutes until crust is



golden. Let cool slightly, then slice into 1 1/2-inch slices and serve warm.

SAUSAGE APPLE PATTIES

- 1 1/2 pounds ground pork
 - 1 egg, beaten
 - 1/2 cup finely chopped sweet onion
 - 1 large tart apple, finely chopped
 - 1/2 teaspoon salt
 - 1/2 teaspoon black pepper
 - 1/8 teaspoon cayenne
 - 1 tablespoon honey

In a large bowl, mix all ingredients. Form into 3/4-inch-thick patties. In a skillet over moderate heat, cook sausage patties until center is no longer pink. Serve as a breakfast or dinner entree.

SAUSAGE HASH BROWNS

- 2 pounds mild sausage
- 2 cups shredded cheddar cheese, divided
- 1 can cream of chicken soup
- 1 cup sour cream
- 1 (8-ounce) carton French onion dip
- 1 cup chopped onion

- 1/4 cup chopped green bell pepper
- 1/4 cup chopped red bell pepperSalt and pepper
 - 1 (30-ounce) package shredded hash brown potatoes, thawed

In a large fry pan, crumble and cook sausage until thoroughly browned. Drain grease out of pan, then place sausage on paper-towel-lined plate to drain completely. In a bowl, mix together 1 3/4 cup cheese and the next 7 ingredients. Add potatoes and fold in gently. Spread half of potato mixture into a greased shallow 3-quart casserole dish. Top with sausage then remaining potato mixture. Sprinkle with remaining cheese. Cover with foil and bake at 350 F for 45 minutes. Uncover and bake 10 minutes more or until heated through and bubbly.

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- large glue sticks
- resealable sandwich & gallon-size bags
- graph paper
- markers classic colors
- composition books wide ruled pencils
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- watercolor paints 8 color
- spiral notebooks wide- or college-ruled
- wet wipes antibacterial
- highlighters
- colored pencils 12 or 24 count
- loose-leaf paper wide- or college-ruled
- 3x5 index cards
- 4x6 index cards
- covered pencil sharpener
- Elmer's glue bottle
- red pens
- black or blue pens
- rulers
- paper towels
- protractors
- compasses