



# InMotion

Our job is getting you to yours!

## We Want to Hear from You

Are your employees:

- Arriving to work at the last minute or late?
- Fighting traffic?
- Starting their work day stressed?
- Tired of paying high gas prices?

There is a better way to work! Call us to learn about our money saving alternative modes of transportation for your employees!

### CLEAN AIR PARTNER

### SPOTLIGHT



### Battle Ground Academy

- Established in 1889.
- BGA is a college preparatory school dedicated to developing the intellectual, moral, creative and physical aspects of each student and to assisting students in the realization of their potential for personal fulfillment and service to others.
- A kindergarten through 12th grade school.
- Clean Air Partner of Williamson County 2004–2006

*InMotion* is a publication of The TMA Group.

For more information about our services and programs, contact us: (615) 790-4005

The TMA Group  
 708 Columbia Avenue  
 Post Office Box 266  
 Franklin, Tennessee 37065  
[www.tmagroup.org](http://www.tmagroup.org)

## Hybrid Cars 101

Looking for an answer to pumping \$20, \$30, or \$40 worth of gas into your car? Or has Al Gore spurred your concern about your car adding to the greenhouse effect?

The solution is the hybrid car. The variety of models on the market continues to grow. Most hybrid cars on the road are gasoline-electric hybrids.

### Structure

Gasoline-electric hybrid cars contain the following parts:



- Gasoline engine—is smaller and uses advanced technologies to reduce emissions and increase efficiency.
- Fuel tank—the energy storage device for the gasoline engine.
- Electric motor—is very complex, with advanced electronics allowing it to act as a motor as well as a generator.
- Generator—is used to produce electrical power.
- Batteries—are the energy storage device for the electric motor.
- Transmission—performs the same basic function as the transmission on a conventional car.

### Performance

The key to a hybrid is a smaller, more efficient engine. In addition, to maximizing every gallon of gas, a hybrid car can:

- Recover energy and store it in the batteries. By using “regenerative braking” the electric motor acts as a generator and charges the batteries when braking or slowing down occur.
- Shut off the engine. A hybrid doesn’t rely on the gasoline engine all the time as it has an alternate power source—the electric motor and batteries. So the hybrid can sometimes turn off the gasoline engine.
- Use advanced aerodynamics to reduce drag. This is design driven by reducing the frontal area of the car, covering the wheel housings and sometimes, replacing the mirrors with small cameras.
- Use low-rolling resistance tires. Hybrids use special tires that are both stiffer and inflated at a higher pressure, resulting in about half the drag of regular tires.
- Use of lightweight materials. By using composite materials like carbon

fiber or lightweight metals such as aluminum and magnesium, a reduction in vehicle weight causes an increase in mileage.

### Hybrid Advantages

There are many benefits to a hybrid vehicle. Here are a few:

- Best Gas Mileage. The maximum mileage offered is 61 miles per gallon in the city and 68 miles per gallon on the highway.
- Less Pollutants. Hybrids emit less pollution and greenhouse gases. Emissions are cut by 25–35%.
- Safety. Hybrids are as safe as conventional cars even though they run on electrical power.
- Alternative fuel options. Since hybrid cars use less amounts of fossil fuels and run on electric power, they create an option to decrease the dependency on fossil fuels.

Today, more auto manufacturers are thinking green and offering hybrid choices for the consumers. Enjoy the ride!

Employers! For information and assistance in encouraging your employees to vanpool, contact The TMA Group. The experienced transportation professionals will help you help your employees. Call us at (615) 790-4005 or email [info@tmagroup.org](mailto:info@tmagroup.org) for info.

# Transit InMotion Spotlight



Sara



J.L. Clay Senior Citizens Center

## Meet Sara — Older. Wiser. Transit Rider.

Sara is a member of one of Franklin's most cherished assets — its senior citizens. She is a long time resident of Franklin. Sara enjoys Franklin's warm sense of community.

When asked about the Franklin Trolleys, Sara's reply is "I ride because it is convenient. I do not drive. I choose to ride the trolley to get around. The trolley picks me up and takes me anywhere I want to go."

Sara, along with approximately 185 other seniors, likes to go to the J.L. Clay Senior Citizens Center. With activities ranging from art classes, card playing, ceramics, day trips, choral groups, exercise, health care topics and tai chi, to mention a few, there is always something happening at the center.

The partnership of the J.L. Clay Seniors Center and the Franklin Trolleys has provided the opportunity for Sara and many other seniors in Franklin to remain independent and involved in the community.

Clyde Barnhill, Executive Director, states the following: "The Franklin Trolleys are an important part of the daily transportation needs of the senior citizens at the J.L. Clay Center. Many of our members use the trolleys to attend activities offered at the Center. The trolleys allow the seniors to continue their independence and remain active members of the community." The J.L. Clay Senior Citizens Center is a non-profit organization for independent functioning seniors. The mission of the center is to provide for the general well being of its members through safe, age appropriate learning opportunities and social activities. Their members use the trolleys each day to be independent and vital citizens of Franklin.

*The Franklin Trolleys—helping people remain independent.*

790.0604 [www.franklintrolleys.org](http://www.franklintrolleys.org)



New Location!

New Address!

The TMA Group's  
new home is:

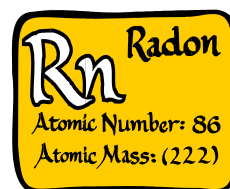
708 Columbia Ave.

PO Box 266

Franklin, TN 37065

## Radon Exposure

On January 4, 2007 the EPA announced that each year, nearly 20,000 people die from lung cancer caused by exposure to radon. A common source of exposure is the home. Radon is an invisible radioactive gas that seeps into the home from underground, and can reach harmful levels if trapped indoors. EPA is launching a campaign to inform people about radon and is working with organizations across the country to educate the public on how to protect themselves from radon exposure in the home. For more information about radon, testing and mitigation, and the use of radon-resistance materials, visit: [www.epa.gov](http://www.epa.gov)



Clean Air Partners of  
Williamson County 2006-07

AIM Healthcare Services, Inc., APCOM, American Constructors, Andrews Cadillac Company, Battle Ground Academy, Brentwood Family YMCA, Cingular Wireless, City of Brentwood, City of Franklin, Civil Constructors, Inc., Clean Cities of Middle Tennessee, Comcast Advertising, Comdata Corporation, Crescent Resources, LLC, Cumberland Bank, Embassy Suites-Nashville South Cool Springs, First Tennessee, Franklin Family YMCA, Franklin Tomorrow, Healthways, J.L. Clay Senior Center, K-Mart, Land Rover Nashville, Manchester Tank, Microsoft, Middle Tennessee Electric Membership, Moody's Tire & Auto, Morningside of Franklin, NuKote International, Passport Health Communications, Plus Mark, Inc., PRIMUS Financial Services, RHR Mortgage of America LLC, RPM Transportation Consultants, LLC, Southern Exposure Magazine, Stites & Harbison, PLLC, Telco Solutions III, LLC, The Cocoa Tree, The Tennessee Credit Union, Tennessee Primary Care Association, Toyota Financial Services, Tri Star Energy, LLC, Wild Oats Market, Inc., Williamson County Association of Realtors, Williamson County-Franklin Chamber of Commerce, Williamson County Government, Williamson County Parks and Recreation, Williamson County Public Library, Williamson County Public Schools, Williamson Medical Center, Williamson Memorial Funeral Home, WAKM-AM 950, and Worthington Precision Metals.

