

# educator guide

2009-2010

[thehenryford.org](http://thehenryford.org)



Michelle Andonian, Michelle Andonian Photography

# a message from the president

Dear Valued Educator,

Many people think of **The Henry Ford** as just a museum. Or they think we're only concerned about the past. But long before either one of those perceptions took hold, we were known as a school — an experimental school, at that. Henry Ford felt that education shouldn't be a passive undertaking. He thought it should be active — even interactive. He thought it should be relevant. He thought it should be inspiring. We agree. And we have been pursuing those ideals ever since.

We have an ambitious goal at **The Henry Ford**. We want to be a catalyst for positive change in American education. We need more critical thinkers, more problem-solvers... we need more innovators like Henry Ford, Thomas Edison and Rosa Parks. Not just in metro Detroit. Not just in Michigan. We want to be a national educational leader with global impact. It's a bold goal, but it's not an unrealistic one. And we are now well-positioned to achieve it. Here at **The Henry Ford**, you and your students have the opportunity for an educational experience that is intriguing and compelling and even entertaining. What better way to teach — or learn about — the American experience. Best of all, your field trip adventure doesn't end when you leave our grounds. For that matter, it begins long before you arrive.

This school year, we will launch several exemplary online teaching and learning tools that will give education a new meaning. Look for new online lesson plans, pre- and post-visit resources, an exciting education website and student engagement tools that are being developed by our education team and teacher consultants. And coming this fall, we'll debut OnInnovation.com, which presents online video interviews with dozens of today's most forward-thinking innovators and trend-makers. Among them are Pierre Omidyar (eBay founder and chairman), Steve Wozniak (Apple Computer co-founder), Dean Kamen (Segway, iBot creator) and Bill Gates (Microsoft founder and philanthropist).

As you read through this guide, you'll find dozens of opportunities for you and your students. And I hope you'll find a way to become part of what I believe is a magnificent educational juggernaut, an extraordinary series of programs that draw an unbroken line through past, present and future.

Sincerely,

Patricia E. Mooradian  
PRESIDENT



# contents

All photos by Michelle Andonian unless otherwise noted.

## the Henry Ford

### mission statement

The Henry Ford provides unique educational experiences based on authentic objects, stories and lives from America's traditions of ingenuity, resourcefulness and innovation. Our purpose is to inspire people to learn from these traditions to help shape a better future.

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Educational programs at **The Henry Ford** are closely aligned to standards and grade level content expectations in Social Studies as well as other relevant disciplinary areas. Curriculum connection information is provided under each program description in this guide. For an at-a-glance look at the curriculum connection chart, please visit [thehenryford.org/education](http://thehenryford.org/education).

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# inspire your students...

## at America's Greatest History Attraction®

History isn't just about the past. History is how we learn to navigate the future.

That's where **The Henry Ford** comes in.

Five attractions. Millions of artifacts. And every one of them telling a story of innovation, of wisdom, of ordinary people with the courage to do extraordinary things.

**The Henry Ford** – inspiring young people to be bold, informed and confident enough to change the world around them.

iStockphoto

# Did you know?

- ✓ We've organized our educational offerings under six curriculum supporting themes: **America's Industrial Revolution, America's Transportation Stories, American Innovation, Civil Rights and Core Democratic Values, Family and Community Life, and Science and Technology.**
- ✓ Our educational website is being reorganized to reflect this theme-based organization. Soon, you'll find exactly what you need simply and quickly. Find it all here: [thehenryford.org/education](http://thehenryford.org/education).
- ✓ We're expanding our online educational offering. The upcoming America's Transportation Stories section of the website (debuting in January 2010) will open up a multilayered and engaging teaching and learning resource bank for you. Check out page 23 to see what's coming.
- ✓ Teachers from the Midwest now are teamed with our education staff as **The Henry Ford Teacher Fellows** to help create enrichment tools for field trips. If you're interested in being one of our 2010 Teacher Fellows, see page 16 for more information.
- ✓ **The Henry Ford** has been the recipient of National Endowment for the Humanities grants to host "Landmarks in American History" Teacher Workshops for five years. In 2009, 80 teachers immersed themselves in the topic of America's Industrial Revolution. You can soon see some of their lesson plan ideas in the Industrial Revolution section of our website, [thehenryford.org/education](http://thehenryford.org/education).
- ✓ **The Henry Ford** education team was commissioned by the producers of the IMAX® film *Journey to Mecca* to create a comprehensive Educator's Guide. It now is being used by teachers across the world. See page 13 for more details.
- ✓ Our education team now has two certified teachers on board. In addition, we constantly seek advice from teachers and consultants as we develop programs and concepts.
- ✓ We are adding a new section on our website called **Tap our Resources and Experts** in January 2010. There, you'll be able to access digital collections, interviews with modern-day innovators, scholars and public historians, and some of our curator talks.



Photo by Rudy Ruzicka

For more information on any of our educational initiatives, or if you have ideas you'd like to share or become more involved, contact **Paula Gangopadhyay**, Director of Education.  
email: [paulag@thehenryford.org](mailto:paulag@thehenryford.org) phone: 313.982.6063.

A REPOSITORY OF IDEAS AND INNOVATIONS

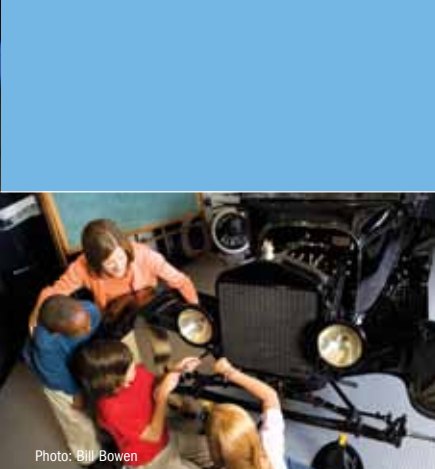


Photo: Bill Bowen



Photo: Bill Bowen



# henry ford museum®

It's more than a day away from school.

It's a learning adventure.

Admission is  
**\$8 per student**

It's an opportunity to unleash your students' inquisitive nature, a chance for them to see history as a window into the future.

Henry Ford Museum is a world-class resource for your students and for you. It's filled with fascinating and entertaining stories about people who nudged society in different directions: inventors, writers, entrepreneurs, social innovators — even sports stars. They all shared in America's passion for innovation. So come spend a day with us. Who knows what might inspire your students, or you.

## museum MUST-SEES AND -DOS

### Build a Model T Program

Let your students get up close and personal with the car that put the world on wheels. Grab a wrench and help assemble a real Ford Model T.

Find more information on this education program on page 21

### Henry's Assembly Line

In this hands-on 20-minute program, your students will work together to assemble a miniature wooden Model T using the station and moving assembly line methods. Find more information on this education program on page 21

### CLIMB ABOARD! Allegheny Steam Locomotive

At 600 tons, this mega-machine is one of the largest locomotives ever built. With a redesigned experience, your students can now step into the Allegheny's cab.

### Rosa Parks Bus™

Every one of your students knows Rosa Parks' story. This is the actual bus where her story unfolded. Your students can step right in and sit in the seat where Rosa Parks sat that momentous day.

### Kennedy Limousine

Your students will be awed by the limousine in which President John F. Kennedy was assassinated that day in Dallas, November 22, 1963, when the nation stood together in shock.

### Lincoln Chair

As President Abraham Lincoln sat in this chair watching a play, an assassin's bullet not only mortally wounded him, but also threw the country into a crisis.

## SPECIAL EXHIBITS & EVENTS

See innovation and creativity in action with our traveling exhibits this year. **FREE with Museum admission.**

### LEGO® Castle Adventure

October 10, 2009–January 3, 2010

This traveling exhibit invites builders of all ages to explore, create and play using one of the greatest building materials of our time – LEGO bricks! Teachers and students are transported into a LEGO kingdom where they can become master castle builders. Educator Guides are available online for Grades K-2, 3-4 and 5-6. Produced by The Children's Museum of Indianapolis in cooperation with LEGO Systems Inc. LEGO and the LEGO logo are trademarks of the LEGO Group. ©2009 The LEGO Group. All rights reserved.

### Good Design: Stories from Herman Miller

February 6–April 25, 2010

This interpretive exhibit explores the collaborative problem-solving design process employed at the world-renowned West Michigan-based furniture company, Herman Miller Inc. Organized by the Muskegon Museum of Art in collaboration with The Henry Ford.

### Holidays in Henry Ford Museum

November 27, 2009–January 3, 2010

Enjoy hands-on LEGO® activities and see our LEGO®-themed model train display and magnificent Christmas tree.



Photo courtesy of Herman Miller



Photo: Rudy Ruzicka

STEP THROUGH THE GATES  
AND BE WHISKED **BACK IN TIME**

Photo: Bill Bowen



Photo: Roy Ritchie



# greenfield village®

Immerse your students in a living textbook.

Admission is  
**\$8 per student**

At *Greenfield Village*, authentic American traditions are more than words on a page – they're hands-on experiences. Why just read about history's turning points when you can experience them in person?

The tiny courthouse where Abraham Lincoln first practiced law. Thomas Edison's Menlo Park laboratory. The Wright brothers' bicycle shop. They're all here. And more.

*Greenfield Village*. An educational experience your students will never forget.

Inspiring. Genuine. And did we mention that it's entertaining, as well?

## be immersed in authentic american traditions.

### Historic Buildings

Step inside the Ford Home, Wright Cycle Shop, Menlo Park Complex and Noah Webster Home and learn how ordinary Americans became extraordinary.

### Working Farms

Here's a rare chance to experience life on the farm. Whether tending a flock of merino sheep and canning homegrown vegetables at Firestone Farm or gathering herbs and spinning wool at Daggett Farm, working the land is the way most Americans used to live.

### Crafts

Liberty Craftworks is a village within a village: eight small shops gathered around a picturesque mill pond. Step inside and see dozens of artisans – glassblowers, potters, tinsmiths – handcrafting work with techniques that are, in some cases, centuries old. **For an additional fee**, students can craft hand-dipped candles using nature's resources.

### Dramatic Presentations

A young Thomas Edison talks about his new light bulb. The Wright brothers discuss their adventures in Kitty Hawk. And a cook named Tally reveals the hardships of life as a slave.

### Rides

Go for a spin in a vintage Model T. Or see it all from the seat of a railcar or clamber aboard the Herschell-Spillman Carousel, populated by a fanciful menagerie of ostriches, dogs, swans and, most eye-catching, a giant frog. *Additional fee*

**BEST value** **All Day RIDE PASS**

**For just \$8 per student, make your field trip even better with unlimited train, Model T, carousel and other historic rides in *Greenfield Village*.**

## SPECIAL EVENTS

### Civil War Remembrance

**May 29-31, 2010 (Memorial Day Weekend)**

Extend learning about civil rights and core democratic values beyond the classroom. Through immersive experience in the daily life of Union and Confederate soldiers, youngsters can muster in and drill as soldiers, visit encampments and listen to martial music of the Civil War era.



A WONDER OF MODERN  
ENGINEERING AND GREEN MANUFACTURING



# ford rouge factory tour

See the modern evolution of Henry Ford's innovative assembly line.  
Experience the future of manufacturing at the *Ford Rouge Factory Tour*.

Admission is  
**\$8 per student**

Students also learn about responsible manufacturing and sustainability. The Rouge, home of the Ford F-150 truck, boasts the world's largest living roof. Students will use all of their senses as they deepen their understanding of ecosystems, solar energy, natural resources and a variety of other scientific concepts. Because the *Ford Rouge Factory Tour* also provides a perspective on the evolution of this site over the past 90 years, students can discover and reflect on the past, present and future of the Rouge, as well as the art of manufacturing and engineering.

**Social Studies and Science Learning Exemplar**

## factory tour MUST-SEES AND -DOS

### Observation Deck

Get a bird's-eye view of the Rouge complex and its extensive network of environmental innovations including the world's largest living roof, naturalized habitat, solar arrays and energy saving photovoltaic panels. A must-see for learning about green sustainability.

### Art of Manufacturing Theater

Be immersed in the modern-day manufacturing experience in a multi-sensory theater that takes you inside all stages of production, from concept to final road test. Kids love this!

### Dearborn Truck Plant

Walk the 1/3-mile elevated walkway above the Dearborn Truck Plant's final assembly line, a pinnacle of flexible, just-in-time manufacturing ingenuity.

### Legacy Gallery

See more than 70 years of design changes in this gallery of classic and current vehicles produced at the Rouge.

### Legacy Theater

Discover the history of Ford Motor Company and Henry Ford's innovations, including the culmination of vertical integration at the Rouge. Film includes rarely seen historic footage from our archives.

**NEW!**

## HANDS-ON ACTIVITIES FREE with admission!

### Test Drive Smart Tools

Operate the computerized assembly tools that have transformed the American auto industry. Discover the connections between these innovative tools and the process, the people and the product.

### Flexing for the Future

Participate in a guided assembly line activity that illustrates how new methods of production have revolutionized the auto industry. During this 10-minute hands-on activity, students work together to discover the flexibility of the modern moving assembly line.

### Outdoor Living Lab\*

See sustainable design in action and discover how one manufacturer, Ford Motor Company, is making a positive impact on our local environment. Take a walking tour and experience the real-world application of green building design in an industrial setting.

**\*Seasonal availability**

Photos from the collections of The Henry Ford



THE HENRY FORD

# IMAX<sup>®</sup> Theatre

MICHIGAN'S LARGEST IMAX SCREEN!

Photo from the collections of The Henry Ford

IMAX films are incredibly powerful teaching tools.

Admission is  
**\$8 per student**

They present new content in exciting and engaging ways, inspire lively discussion and explore a variety of topics that motivate students to be more inquisitive. And now, The Henry Ford is aligning the IMAX educational films to Michigan GLCEs and HSCEs so they offer even stronger ties to your curriculum.

The Henry Ford IMAX<sup>®</sup> Theatre has a screen six stories tall by eight stories wide, a 15,000-watt projector lamp so bright you could see it on the moon, and films that feature stories of scientific, historical and cultural discovery as compelling as the technology we use to bring them to you.

Come for a specific show or combine a show with a Museum visit and prepare your students for the adventure of their lives.

# IMAX<sup>®</sup> features and coming attractions



## HISTORY, GEOGRAPHY AND CULTURE



### JOURNEY TO MECCA

*In the footsteps of Ibn Battuta*

See the only film granted access in Mecca to the Holy Mosque and Ka'bah and the first IMAX film on Islamic culture, both historical and modern. Ibn Battuta is considered one of the world's greatest travelers. *Journey to Mecca* dramatizes his 5,000-mile pilgrimage in 1325 and 1326, which took him from his hometown of Tangier, Morocco, to Mecca. An accompanying curriculum guide, created by The Henry Ford and endorsed by history scholars, provides engaging and thought-provoking pre- and post-visit activities. Download the guide at [thehenryford.org/imax/index.aspx](http://thehenryford.org/imax/index.aspx).

**NEW!**

movie and museum  
combo \$10\*

Watch *Journey to Mecca* at The Henry Ford IMAX<sup>®</sup> Theatre and visit the Arab American National Museum. Contact the Call Center at 313.982.6001 for details.

\*Discounted price



### LEWIS & CLARK GREAT JOURNEY WEST

Follow the footsteps of Meriwether Lewis and William Clark on their historic 1804-1806 exploration of America. The film follows their grueling 8,000-mile expedition to their ultimate destination – the Pacific Ocean.

## SCIENCE



### NEW! *Destiny in Space* September 20–March 18, 2010

*Destiny in Space* gives viewers an exciting glimpse into the future of space exploration. Featuring never-before-seen giant-screen images of the space shuttle in orbit around the Earth and thrilling fly-overs of Mars and Venus, the film focuses on the dramatic partnership of humans and robots working in space. An IMAX<sup>®</sup> camera deployed via satellite provides rare views of the shuttle, in its entirety, orbiting 200 miles above Earth. Audiences are with the astronauts as they work in Spacelab and outside the shuttle in the hazardous vacuum of space, performing a spectacularly successful servicing mission of the Hubble Space Telescope.

### NEW! *Hubble 3D* Opens March 19, 2010

*Hubble 3D* will chronicle the amazing saga of the greatest success in space since the moon landing. Featuring stunning on-orbit coverage of the telescope's final repair and jaw-dropping IMAX 3D flights through distant galaxies.

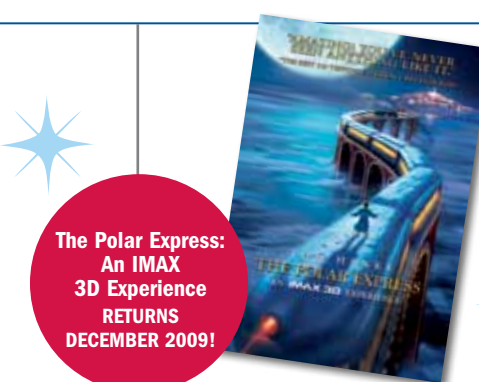
### Under The Sea 3D

Explore the biologically diverse waters of the Pacific and Indian oceans, including some of their most significant coral reefs, especially the Coral Triangle, home to 3,000 species of fish.

## HOLIDAY



**NEW! Disney's  
A Christmas Carol:  
An IMAX  
3D Experience  
OPENS  
NOVEMBER 6, 2009!**



**The Polar Express:  
An IMAX  
3D Experience  
RETURNS  
DECEMBER 2009!**

# benson ford research center®

## 66,000 SQUARE FEET. 25 MILLION PRIMARY SOURCES. THE REST OF THE STORY.

Henry Ford believed that history was not just about people. It was also for people.

That was the inspiration for the *Benson Ford Research Center* — the handsome brick building you see just to the left of the *Greenfield Village* entrance. It is a state-of-the-art, 66,000-square-foot facility with one of the largest and most significant 2D collections in the United States concerning the impact of the automobile, industrial manufacturing and design, and many other aspects of American culture and everyday life.



Photo: Bill Bowen



### ACCESS TO THE COLLECTIONS

The *Benson Ford Research Center* Reading Room is open 9:30am-5pm Tuesday-Friday to the public, free of charge. Extended hours are offered on occasion (check our website for details). Materials are accessible for research but do not circulate, because they are often unique and irreplaceable.

Appointments are recommended if you need more personal assistance.

Our archivists, librarians and education staff also can offer orientation tours to teacher groups on how to best use our Research Center resources. There is a fee, and scheduling is dependent on availability of the facility and staff. Email [research.center@TheHenryFord.org](mailto:research.center@TheHenryFord.org).



Photo: Bill Bowen

## educator resources and events

The *Henry Ford* is a nationally recognized resource for teacher education. We regularly host teacher events and workshops offering overviews of our educational programs and products. For more in-depth educational content, we present professional development workshops and weeklong, immersive NEH sessions on several areas of instruction. Roll up your sleeves and explore these one-of-a-kind professional development experiences at **The Henry Ford**.

## educator previews and more

**Teacher Appreciation Days\*** September 26, 2009 · April 17, 2010

**FREE** admission for educators and one guest to *Henry Ford Museum, Greenfield Village, IMAX® Theatre* and *Ford Rouge Factory Tour*

Of course we think *The Henry Ford* is fabulous. But don't just take our word for it. Come see everything we have to offer — **FOR FREE!** You will receive a snapshot of our educational programs, view our dramatic presentations, learn about our educational resources and find out what's available online for teachers.

### IMAX® Film Previews\*

Join us for a changing menu of after-school and Saturday morning events that introduce new *IMAX®* films as educational opportunities at *The Henry Ford*. We provide curriculum connections and educational materials with each show.

For more information, visit [thehenryford.org/education](http://thehenryford.org/education), or contact Geri Lewis at 313.982.6048 or [geralynl@thehenryford.org](mailto:geralynl@thehenryford.org).

**\*ADVANCE REGISTRATION IS REQUIRED.**





Photo by Rudy Ruzicka

## professional development workshops

### Teacher Fellow Program

Become an active partner in education with The Henry Ford to help inspire and shape the minds of tomorrow's innovators! Teacher Fellows work with our Education Team to create cutting-edge and innovative educational programs that can become national models and aid classroom instruction. The Henry Ford selects 12 to 16 K-12 social studies and science/technology teachers through a competitive application process. Applications will be accepted through November 1, 2009, and the 2010 Teacher Fellows will be selected by early December 2009.

### Teaching American History Grant Partnerships

We know that collaboration among educational partners is essential to successful professional and curriculum development activities. Consider including The Henry Ford in your U.S. Department of Education Teaching American History (TAH) grant as you look for experiences that build critical thinking skills, utilize primary sources and engage teacher and student learners. School districts around the country regularly tap us for customized workshops with curators, expert historians and practitioners.

### NEH Teacher Workshops

June 20-25, 2010

July 18-23, 2010



NATIONAL  
ENDOWMENT  
FOR THE  
HUMANITIES

As a five-time recipient of National Endowment for the Humanities (NEH) grants and one of the only sites in the Midwest to offer the Landmarks in American History workshops, The Henry Ford will offer teacher workshops on America's Industrial Revolution. Join teachers from all over the country to experience 150 years of technology evolution in a week. Explore new themes and historic sites each day; interact with scholars, museum curators, public historians/dramatic presenters and master teachers; and experience 150 years of technology evolution in a week. Past participants have declared our workshops "outstanding," "inspiring" and "the best professional development experience that I have had in 16 years of teaching."

To learn more, or to apply for workshops, contact Dorothy Ebersole, Curator of Education, [dorothy@thehenryford.org](mailto:dorothy@thehenryford.org).



# education PROGRAM OVERVIEW

Here at The Henry Ford, we have created a wide array of educational programs to supplement classroom instruction in grades K-12. All are aligned to GLCEs/HSCes and national standards. For your ease, you can explore the American experience by theme:

- AMERICA'S INDUSTRIAL REVOLUTION • AMERICA'S TRANSPORTATION STORIES • AMERICAN INNOVATION
- CIVIL RIGHTS AND CORE DEMOCRATIC VALUES • FAMILY AND COMMUNITY LIFE • SCIENCE AND TECHNOLOGY

We offer a wide range of activities and resources in each category. Some activities, such as special dramatic presentations, self-guided itineraries and History Hunter scavenger hunts, take place during your field trips and are included in our admission fees. Through our online lesson and unit plans, and rich pre-and post-visit supplemental materials, we offer you deeper context and learning application tools that can inspire and motivate *your* students. **NOTE: All prices and programs subject to change.**

### HISTORY HUNTERS SCAVENGER HUNTS

On the following pages, you'll find references to something we call **History Hunters**. These are online thematic educationally relevant scavenger hunts that you and your students can use during your visit to The Henry Ford. They are self-directed and will help focus student observation, listening and thinking skills as they explore key aspects of exhibits, sites and artifacts at Henry Ford Museum, Greenfield Village and Ford Rouge Factory Tour.



**FREE DOWNLOADS @**  
[thehenryford.org/education](http://thehenryford.org/education)

Plan a field trip your students will remember for years. Download activities for **FREE**, then copy them, discuss them and let your students help plan a memorable field trip.

# AMERICA'S INDUSTRIAL REVOLUTION

The Henry Ford is one of the nation's top resources for learning about the Industrial Revolution. Now we offer an engaging field trip for your students that chronicles how the United States evolved from an agrarian to an industrial nation. Walk through a "living case study" of American industrialization to see and hear about the people, places, processes and products responsible for this remarkable transformation.

Your students will consider the past, present and future as they reflect on the social implications, environmental consequences and economic impact of industrialization. An online unit plan on the Industrial Revolution and self-guided curriculum-aligned itineraries for field trips will be available soon!

## ON-SITE PROGRAMS

### IMPACT OF TECHNOLOGY AND INNOVATIONS DURING INDUSTRIAL REVOLUTION

#### SELF-GUIDED FIELD TRIP

In this combo field trip to *Greenfield Village* and *Henry Ford Museum*, your students will be able to witness how America changed during this period of rapid industrial growth. By combining a targeted, artifact-based, self-guided tour with grade-specific curriculum links, we offer your students a new lens for examining the impact of the industrial era. See the world's oldest surviving steam engine, the shop where the Wright brothers built the world's first airplane, the lab where Thomas Edison created the first practical incandescent light bulb, and even help build a real Model T!

**National Curriculum Standards for Social Studies**  
Strands *I, II, IV, VII, VIII*

**Michigan Social Studies Grade Level and High School Content Expectations** **1** - H2.0.6 **2** - H2.0.3, H2.0.4, E1.0.3 **3** - H3.0.1, H3.0.8 **4** - H3.0.1, H3.0.2, H3.0.5, H3.0.6, E1.05 **6** - H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.6, H1.4.1, H1.4.2, G2.2.2 **8** - U4.2.1, U6.1.1  
**9-12** - USHG F2.1, 6.1.1, 6.1.2, 6.1.3, 6.1.5; WHG 6.1.3, 6.1.4, 6.2.3

**Location:** Greenfield Village, Henry Ford Museum  
**Offered:** Fall and Spring (October 1-30, Fridays in November 2009; April 15-June 11, 2010)  
**Program Length:** 2 ½ hours minimum (self guided with a context-setting introduction from the Education Team)  
**Fees:** Free with admission. Contact the Call Center for discounted combo site pricing.

## ON-SITE PROGRAMS

### INDUSTRIAL REVOLUTION: PAST, PRESENT AND FUTURE

#### SELF-GUIDED FIELD TRIP

In this unique combo field trip to *Greenfield Village* and *Ford Rouge Factory Tour*, your students will experience the full transition from the small farms and shops of the 18th and 19th centuries to the large industrial complexes of today. Discover America's agricultural and industrial past by visiting working farms, a blacksmith's forge, an operating machine shop and a variety of mills. Then, travel to the Rouge complex to learn how it revolutionized the world of manufacturing when it was built, and how it continues to do so today. Observe how the Dearborn Truck Plant is trying to reverse some of the harmful effects of industrialization by participating in the "green revolution."

**Location:** Greenfield Village, Ford Rouge Factory Tour  
**Offered:** Fall and Spring (October 1-30, Fridays in November 2009; April 15-June 11, 2010)  
**Program Length:** 3 ½ hours minimum (including travel time to the Rouge complex; self-guided with context-setting introduction from the Education Team)  
**Fees:** Free with admission. Contact the Call Center for discounted combo site pricing.

**National Curriculum Standards for Social Studies**  
Strands *I, II, IV, VII, VIII*

**Michigan Social Studies Grade Level and High School Content Expectations** **1** - H2.0.6 **2** - H2.0.3, H2.0.4, E1.0.3 **3** - H3.0.1, H3.0.8 **4** - H3.0.1, H3.0.2, H3.0.5, H3.0.6, G5.0.1, E1.0.5 **6** - H1.2.5, H1.4.1, H1.4.2, H1.4.3, G5.1.1, G5.1.2 **7** - H1.2.6, H1.4.1, H1.4.2, H1.4.3, G2.2.2, G5.1.1, G5.1.2 **8** - U6.1.1  
**9-12** - USHG F2.1, 6.1.1, 6.1.2, 6.1.3, 6.1.5; WHG 6.1.3, 6.1.4, 6.2.3

**National Science Education Strands** *Science in Personal and Social Perspectives, Science and Technology, Life Sciences, History & Nature of Science*

**Michigan Science Grade Level and High School Content Expectations** **2** - E.FE.02.21 **3** - S.RS.03.17, S.RS.03.18, S.RS.03.19, E.ES.03.43, E.ES.03.52, E.ES.03.42, E.ES.03.51 **4** - S.RS.04.18, S.RS.04.19, PPM.04.53, L.EC.04.21 **5** - U2 S.RS.05.17, S.RS.05.19 **6** - S.RS.06.17, S.RS.06.19, L.EC.06.41 **7** - S.RS.07.17, S.RS.07.19, E.ES.07.41, E.ES.07.42, E.ES.07.81 **9-12** *Biology* - B1.2k, B3.1A, B3.4C, B3.5e  
**9-12** *Earth Science* - E1.2k, E2.1B, E2.1C, E2.4B

## ONLINE RESOURCES

### THE FORD ROUGE COMPLEX: A CASE STUDY IN INDUSTRIALIZATION



#### CURRICULUM CONNECTOR

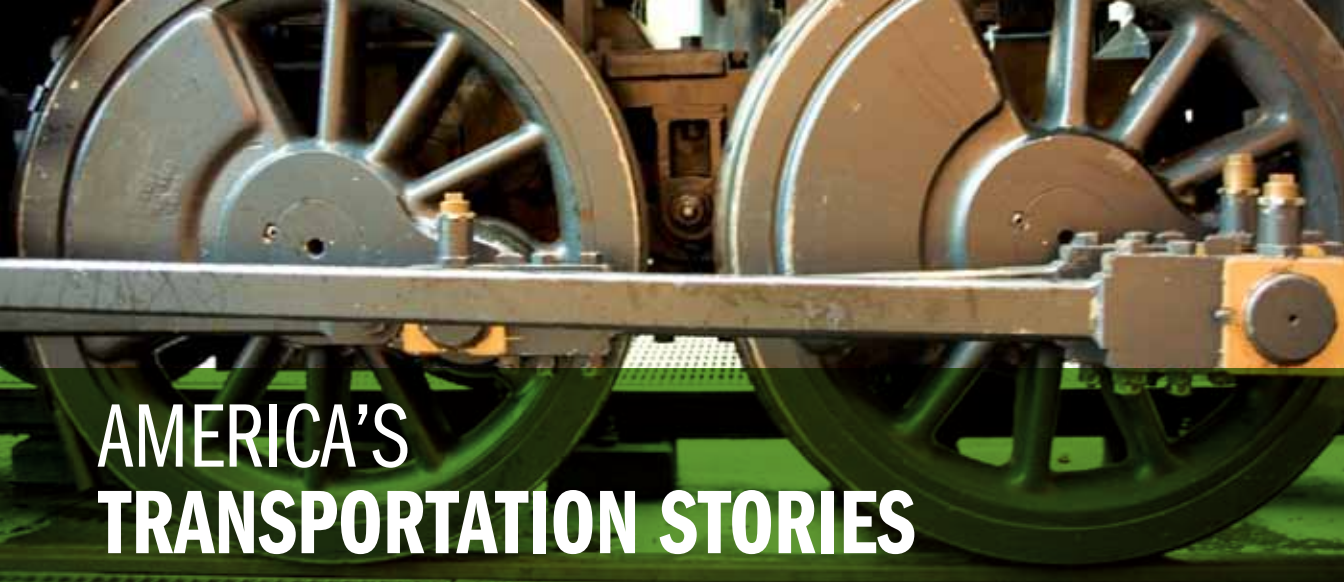
This is a new curriculum-aligned tool for teachers to use with students during and after their *Ford Rouge Factory Tour* visit that reinforces field trip learning when students return to the classroom. At the *Ford Rouge Factory Tour*, students can learn about the natural, human and capital resources needed for manufacturing, the changing face of industrialization and entrepreneurs in southeastern Michigan. A timeline, glossary, review questions and post-visit activities are included in this easy-to-use and downloadable learning tool.

**National Curriculum Standards for Social Studies** Strands *II, III, VII*  
**Michigan Social Studies Grade Level and High School Content Expectations** **2** - E1.0.2, E1.0.4 **3** - G4.0.1, E1.04 **4** - H3.0.1, H3.0.5, E1.0.5  
**6-7** - H1.4.1 **9-12** - USHG 6.1.5



**FREE DOWNLOADS @**  
[thehenryford.org/education](http://thehenryford.org/education)





# AMERICA'S TRANSPORTATION STORIES

More than a century ago, Henry Ford revolutionized the world with the Model T. Quite literally, it changed the way we live. But what was life like before the automobile and how did life change after Roadside America “adopted” the automobile? Our vast transportation collections and exhibits includes trains, carriages, cars and related artifacts. Engaging resources will help your students see how the everyday choices we have made since the Industrial Revolution affected the movement of goods and people, the economy, the environment and our lifestyles. Explore the positive and negative impacts of transportation systems and gain new insight into the social impact of these transportation innovations. Explore the many ways this topic can enhance your students' learning.



Photo from the collections of The Henry Ford

## ON-SITE PROGRAMS

### HENRY'S ASSEMBLY LINE GUIDED ACTIVITY

FREE with Museum admission

What better way to learn about an assembly line than to work on one? In this hands-on 20-minute program, your students will work together to assemble a miniature wooden Model T using the station and moving assembly line methods.

**Location:** Henry Ford Museum

**Offered:** Daily, year-round

**Program Length:** 20 minutes (Check the daily schedule at Henry Ford Museum)

**National Curriculum Standards for Social Studies Strands II, VIII**

**Michigan Social Studies Grade Level and High School Content**

**Expectations 1 - H2.0.6 2 - H2.0.3, H2.0.4 4 - H3.0.1,**

**H3.0.5, H3.0.6, E1.05 9-12 - USHG 6.1.1, 6.1.5**

**9-12 - Economics 1.2.2**



Photo: Bill Bowen

### BUILD A MODEL T GUIDED ACTIVITY

FREE with Museum admission

Grab a wrench and join in the fun as we celebrate Henry Ford's Model T! Students will gain new perspective about Henry Ford and the car that changed the world as they assist in the assembly of an authentic Model T. Spend as much or as little time as you want in this one-of-a-kind activity led by experienced presenters.

**Location:** Henry Ford Museum

**Offered:** Daily, year-round

**Program Length:** Flexible

**National Curriculum Standards for Social Studies Strands II, VIII**

**Michigan Social Studies Grade Level and High School Content**

**Expectations 1 - H2.0.6 2 - H2.0.3, H2.0.4 4 - H3.0.1,**

**H3.0.5, H3.0.6 9-12 - USHG 6.1.5**



Photo: Bill Bowen

Photo: Bill Bowen



ONLINE RESOURCES

**MODEL T ROAD TRIP** INTERACTIVE MODULE

Students follow a fictional family's adventures as they shop for, buy, drive and plan a vacation in a brand-new Model T. The module explores how early 20th-century cars offered a new level of freedom with personal mobility. Includes five online lesson plans with selected primary sources: *Remembering the Model T*; *The Road Trip: Then and Now*; *The \$5 Day: Mixed Blessing?*; *A Picture is Worth a Thousand Words*; and *The Ad Game*.

National Curriculum Standards for Social Studies Strands II, VIII

Michigan Social Studies Grade Level and High School Content Expectations

1 - E1.0.2 2 - H2.0.3, H2.0.4 4 - H3.0.1, H3.0.6 6 - H1.2.2, H1.2.5, H1.4.1, H1.4.2 7 - H1.2.2, H1.2.6, H1.4.1, H1.4.2 9-12 - USHG 6.1.1, 6.1.5

**EXPLORE THE MODEL T IN HENRY FORD MUSEUM AND GREENFIELD VILLAGE** SELF-GUIDED ITINERARY

Tour the artifacts, exhibits and sites associated with the development of the Model T. The itineraries are rich with Model T-related stories that provide in-depth information and questions for teachers, group leaders and students.

Location: Henry Ford Museum and Greenfield Village

National Curriculum Standards for Social Studies Strands I, II, IV, VII, VIII

Michigan Social Studies Grade Level and High School Content Expectations

2 - H2.0.3, H2.0.4 3 - H3.0.8 4 - H3.0.5, H3.0.6, E1.0.5 6 - H1.2.2, H1.2.5, H1.4.1, H1.4.2 7 - H1.2.2, H1.2.6, H1.4.1, H1.4.2 9-12 - USHG 6.1.1, 6.1.5

**HISTORY HUNTERS: INVESTIGATING THE MODEL T**

SCAVENGER HUNT

Location: Henry Ford Museum and Greenfield Village

National Curriculum Standards for Social Studies Strands II, VII, VIII

Michigan Social Studies Grade Level and High School Content Expectations

1 - H2.0.6 2 - H2.0.3, H2.0.4, E1.0.3 3 - H3.0.1, H3.0.8 4 - H3.0.1, H3.0.5, H3.0.6, E1.0.5 6 - H1.2.5, H1.4.1, H1.4.2 7 - H1.2.6, H1.4.1, H1.4.2 9-12 - USHG 6.1.1, 6.1.5

**OTHER TRANSPORTATION RESOURCES**

**POWERPOINT SLIDE SHOWS:** *The Rouge: An Overview*; *Henry Ford's Innovations at the Rouge*; *Organizing the United Auto Workers at the Rouge*

**FREE DOWNLOADS @**  
thehenryford.org/education

Plan a field trip your students will remember for years. Download activities for FREE, then copy them, discuss them and let your students help plan a memorable field trip.



**COMING WINTER 2010!**

The Henry Ford is pleased to elevate your teaching and learning about America's Transportation Stories to a whole new level by offering a dedicated website with stellar online educational resources. Explore our three core interactive themes within the topic of America's Transportation Stories and utilize our cutting-edge interactive modules on:

- Henry Ford and Innovation
- Transportation: Past, Present and Future
- American Auto Racing

your one-stop online resource bank

TEACHING AIDS

Flexible and curriculum-aligned unit and lesson plans catered to K-12 audiences (complete with student worksheets)

**HENRY FORD AND INNOVATION**

- You Can be an Innovator...Like Henry Ford! (Elementary)
- Impact of the Model T— Then and Now (High School)

**TRANSPORTATION: PAST, PRESENT AND FUTURE**

- Transportation Systems—Past and Present (Middle/High School)
- Early 20th-Century Migration (Elementary)
- Moving to Michigan: Immigration, Migration and Transportation (High School)

**AMERICAN AUTO RACING**

- Science, Life Skills and Innovation in American Auto Racing (Elementary/Middle School)
- Physics, Technology and Engineering in American Auto Racing (High School)

A complete array of supplemental online materials for each of the above units includes: GLCE and HSCE national standards, digital gallery with more than 150 images, selected videos and audio clips, curator-written reports with deep-dive information on the topic, history timelines, field trip reinforcing ideas, bibliography and more!

Thanks to generous funding provided, in part, by the Ford Foundation, the online educational resources related to America's Transportation Stories will now be available for teaching and learning to schools across the nation and throughout the world.

LEARNING AIDS

**Create your own exhibition online**

Never before has learning been so much fun! After teaching a unit and taking a field trip, teachers now can have students employ critical thinking and problem-solving skills. Students can access our easy-to-use digital galleries, research, then create and post their own online exhibitions. These exhibits can even be shared online with classmates and family to provide motivation and feedback!

**Podcasts**

Have your students listen to Transportation Podcasts created by our very own Henry Ford Academy sophomores. They examined compelling issues related to alternative fuels, transportation networks and more through rap, talk shows and other fun formats. Maybe your students will be inspired to do their own podcasts!





**COMING 2010**  
**henry ford and innovation**

**ONLINE RESOURCES**

**YOU CAN BE AN INNOVATOR ...  
LIKE HENRY FORD!**

**ELEMENTARY ONLINE UNIT/LESSON PLANS**

Explore Henry Ford's world-changing innovation, the Model T, and how it continues to influence manufacturing and many other aspects of our lives today. Our unit plan and online collections encourage students to imagine, take risks and persevere as Henry Ford did.

**National Curriculum Standards for Social Studies Strands II, III, IV, VII, VIII**

**Michigan Social Studies Grade Level Content**

**Expectations 3 - E1.0.4, E1.0.3 4 - H3.0.1, H3.0.3, H3.0.6, E1.0.5**

**Michigan Career and Employability Skills 4.1, 4.2, 4.3, 9.4, 9.5**

**FREE DOWNLOADS @**  
thehenryford.org/education

**IMPACT OF THE MODEL T—  
THEN AND NOW**

**HIGH SCHOOL ONLINE UNIT PLAN**

How do people create society-changing innovations? And what are the causes and consequences of those innovations? Your students will examine these important questions through a case study of Henry Ford, his Model T and the automobile industry (from past to present). Students also will be able to explore case studies of some of today's society-changing innovators through **The Henry Ford's** new educational tool — OnInnovation.com.

**National Curriculum Standards for Social Studies Strands II, III, IV, VII, VIII, IX**

**National Standards for Business Education Career Development, Entrepreneurship, Marketing**

**Michigan Social Studies High School Content**

**Expectations 9-12 - USHG 6.1.5, 7.1.1, 9.1.1**

**9-12 - Economics 1.1.2, 3.2.5 9-12 - WHG 6.2.3**

**Michigan English Language Arts**

This unit aligns with creating dispositions of innovation, empowerment and empathy.

**COMING 2010**

**transportation: past, present and future**

**ONLINE RESOURCES**

**TRANSPORTATION SYSTEMS**

**MIDDLE/HIGH SCHOOL ONLINE UNIT PLAN**

Our American transportation systems are a perfect example of how our cultural attitudes affect everyday life. Transportation is a tangible way students can relate to topics such as consumption, migration and public goods. Through our collections, allow your students to explore how goods have been moved, how people have gotten around and how this transportation has been funded — in the past and present — and encourage them to propose new transportation systems for the future.

**National Curriculum Standards for Social**

**Studies Strands II, III, V, VII, VIII, IX, X**

**Michigan Social Studies Grade Level Content**

**Expectations 8 - U6.1.1**

**Michigan English Language Arts** This unit aligns with creating dispositions of innovation, empowerment and empathy.

**EARLY 20th CENTURY MIGRATION**

**ELEMENTARY ONLINE UNIT PLAN**

They moved their families to build the vehicles that moved America. This unit uses documents and photographs from **The Henry Ford's** collections to help your students understand why so many people were pulled from Europe and the American South by the promise of jobs to work in factories in the Northern U.S. — especially Michigan's automobile factories — and what their new lives were like. Students also will make relevant connections between 20th-century migration and their lives today.

**National Curriculum Standards for Social**

**Studies Strands I, II, IV, V, IX, X**

**Michigan Social Studies Grade Level Content**

**Expectations 3 - G4.0.2 4 - H3.0.2, G4.0.1**

**MOVING TO MICHIGAN:  
IMMIGRATION, MIGRATION AND TRANSPORTATION**

**HIGH SCHOOL ONLINE UNIT PLAN**

The growth of industry brought with it to the Northern U.S. an unprecedented cultural mosaic, especially in the Detroit area. Learn about the pulls and promises of life as an autoworker and evaluate whether these promises have been fulfilled. Explore the impact of the past on the lives of these workers' descendants, particularly in light of the present manufacturing and economic climate.

**National Curriculum Standards for Social Studies Strands I, II, IV, V, VII, IX, X**

**Michigan Social Studies High School Content Expectations 9-12 - USHG 6.1.3, 6.1.4, 6.1.5 9-12 - WHG 6.1.2**

**Michigan English Language Arts** This unit aligns with creating dispositions of innovation, empowerment and empathy.



COMING 2010  
**american auto racing**

ONLINE RESOURCES

**SCIENCE, LIFE SKILLS AND INNOVATION IN AMERICAN AUTO RACING**



ELEMENTARY/MIDDLE ONLINE UNIT PLAN

Explore how American auto racing uses scientific concepts to make technological improvements. Among the concepts studied are force, change in motion, speed and energy. Discover stories about scientific innovations, teamwork and even the risks of racing through oral histories from racecar drivers, engineers, mechanics and owners.

**National Standards for Science Education** *Science as Inquiry, Physical Science, Science and Technology, History and Nature of Science*

**Michigan Science Grade Level Content Expectations**

**2** - S.RS.E.1 **3** - S.RS.E.1, P.FM.E.3, P.FM.E.4, P.EN.E.1, P.EN.E.3 **4** - S.RS.E.1, P.EN.E.1, P.EN.E.4, P.EN.E.5, P.CM.E.1 **5** - S.RS.M.1, P.FM.M.2, P.FM.M.3, P.FM.M.4 **6** - S.RS.M.1, P.EN.M.1, P.EN.M.4 **7** - S.RS.M.1

**PHYSICS, TECHNOLOGY AND ENGINEERING IN AUTO RACING**



HIGH SCHOOL ONLINE UNIT PLAN

Explore how the principles of physics are an integral part of American auto racing. Examine how racing innovators used concepts such as time, net force, acceleration and momentum to achieve major technological advancements in racing. Discover stories about scientific innovations, teamwork and even the risks of racing through oral histories from racecar drivers, engineers, mechanics and owners.

**National Standards for Science Education** *Science as Inquiry, Physical Science, Science and Technology, History and Nature of Science*

**Michigan Science High School Content Expectations**

**9-12** - P2.1, P2.2, P3.1, P3.2, P3.3, P3.4, P3.5x, P3.8x, P4.1, P4.1x, P4.3, P4.3x



**FREE DOWNLOADS @**  
thehenryford.org/education

OUTREACH PROGRAM

**NEW! READING INSPIRATION**

LITERACY ENHANCEMENT PROGRAM

Equip your students with two of the necessities for success: a love for reading and inspiration to be someone great! Our new literacy and history enhancement program, Reading Inspiration, brings the story of Henry Ford's quest to build a car for the masses to life using fiction, nonfiction, digital images and engaging hands-on activities. The program reinforces grade-specific vocabulary, spelling, reading and comprehension, writing and design thinking skills. It also includes interdisciplinary curriculum connections tips, supplemental high-frequency and age-appropriate words and extension activities. Inspired by the national model Read and Connect.

PROGRAM THEMES

- Henry Ford, The Innovator
- Model T, The Innovative Product
- Assembly Line, The Innovative Process

The Henry Ford's staff will travel to your site\* to bring engaging components of this unique learning experience to YOU! Ideal for developing and struggling readers.

\*Distance restrictions and travel fee apply in addition to participation fee.

**Grades:** 2-3 and 4-5

Contact the Call Center after October 15, 2009, for details.

ON-SITE PROGRAM

**NEW! HENRY'S ALPHABET CARS** LITERACY ENHANCEMENT PROGRAM

Learn about Henry Ford's "alphabet cars" that led to his great innovation, the Model T. Employing immersive vocabulary recognition activities through storytime and hands-on activities, younger children will enhance their literacy skills and make relevant connections between the past and present.

**Location:** Henry Ford Museum

**Grades:** K-1

Offered certain times and by scheduled appointment only. Contact the Call Center after October 15, 2009, for details.





# AMERICAN INNOVATION

Your textbooks are filled with stories of innovators whose ideas defined the American experience. At **The Henry Ford**, we bring those tales to life. For more than eight decades, **The Henry Ford** has amassed an unparalleled collection of artifacts representing American innovation and ingenuity across multiple fields and disciplines from agriculture and industry to domestic life, transportation and power generation. At **The Henry Ford**, you can inspire your students by exposing them to the lives of dozens of visionary Americans, all of them ordinary people whose extraordinary ideas changed the world around them.

## ONLINE RESOURCES

**NEW! OnInnovation**  
Visionaries thinking out loud.™

Our **OnInnovation** educational initiative aims to advance a culture of innovation by exciting people to discover what thinking and working like an innovator really means.

Continuing **The Henry Ford's** tradition of collecting oral histories since the 1950s, we're reaching out to some of today's most visionary thinkers and doers to capture and share the ways they've helped create often sweeping change. Above all, we're working to make the very stuff of innovation — the objects, people, stories and content — accessible to everyone. Inspire your students with America's stories of innovation, ingenuity and resourcefulness by visiting [OnInnovation.com](http://OnInnovation.com) today.

## ON-SITE PROGRAM

**MICHIGAN HISTORY DAY 2010**  
**INNOVATION IN HISTORY: IMPACT AND CHANGE**  
State Finals at The Henry Ford - April 24, 2010

We are pleased to be partnering again with the Historical Society of Michigan to offer the Michigan History Day State Finals. For more information on participating in History Days, visit [www.hsmichigan.org](http://www.hsmichigan.org).

**INNOVATORS PICTURED ABOVE (from left to right):**  
**ELON MUSK** founder of PayPal, SpaceX, Tesla Motors and Solar City  
**PIERRE OMIDYAR** eBay creator/chairman  
**STEVE WOZNIAK** co-founder, Apple Computer  
**TOSHIKO MORI** architect and Alternative Textiles advocate



## ON-SITE PROGRAMS

**EDISON'S LIGHT FANTASTIC** DRAMATIC PRESENTATION

**FREE** with Village admission

Meet Thomas Edison and hear about his most “electrifying” invention! This live one-man show gives a glimpse into the inspiring life, work and mind of Thomas Edison. Edison speaks to a group of reporters — your students — who are visiting his complex on New Year’s Day, 1880 — the day after he introduced the world’s first practical incandescent light bulb.

**Location:** Greenfield Village

**Offered:** Fridays in October 2009 and May 3–June 11, 2010

**Program Length:** 15 minutes

**National Curriculum Standards for Social Studies Strands II, VIII**

**Michigan Social Studies Grade Level and High School Content Expectations**  
**2** - H2.0.3, H2.0.4 **6** - H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.6, H1.4.1, H1.4.2  
**9-12** - USHG 6.1.1

**HOME FROM KITTY HAWK** DRAMATIC PRESENTATION

**FREE** with Village admission

It’s one thing to read about the thrill of the Wright brothers’ first flight. It’s quite another to have Wilbur and Orville tell you about it themselves. Three actors step into the roles of Orville, Wilbur and their sister, Katharine. From the porch of the Wright family home — now in *Greenfield Village* — they fascinate your students with the dramatic tale of their experiments, struggles and, finally, the triumph of their first flights on December 17, 1903.

**Location:** Greenfield Village

**Offered:** Fridays in October 2009 and May 3–June 11, 2010

**Program Length:** 20 minutes

**National Curriculum Standards for Social Studies Strands II, VIII**

**Michigan Social Studies Grade Level and High School Content Expectations**  
**2** - H2.0.3 **6** - H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.6, H1.4.1, H1.4.2 **9-12** - USHG 6.1.1



Photo from the collections of The Henry Ford

ON-SITE PROGRAMS

**ELIJAH: THE REAL MCCOY**

DRAMATIC PRESENTATION

FREE with Village admission

Learn about the fascinating Elijah McCoy, whose inventions got trains into the station *ahead* of time. This 15-minute play takes your students on the stirring eight-decade journey that was McCoy's life: how he overcame racial injustice and went on to register 57 patents, including the automatic lubricating cup, which revolutionized the industrial machine industry.

**Location:** Greenfield Village

**Offered:** May 3-June 11, 2010

**Program Length:** 15 minutes

**National Curriculum Standards for Social Studies Strands** II, VIII

**Michigan Social Studies Grade Level and High School Content Expectations**

**2** - H2.0.3 **4** - H3.0.7 **6** - H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.6, H1.4.1, H1.4.2 **9-12** - USHG 6.1.1



Photo from the collections of The Henry Ford

**NEW! FLEXING FOR THE FUTURE**

SELF-GUIDED ACTIVITY

FREE with Ford Rouge Factory Tour admission

New methods of production have revolutionized the auto industry. During this 10-minute hands-on assembly line activity, students work together to discover the flexibility of the modern moving assembly line.

**Location:** Ford Rouge Factory Tour

**Offered:** Daily

**Program Length:** 10 minutes

**National Curriculum Standards for Social**

**Studies Strands** VII, VIII

**Michigan Social Studies Grade Level and High School Content Expectations**

**1** - H2.0.6 **2** - H2.0.3, H2.0.4 **4** - H3.0.1, H3.0.5, H3.0.6, E1.05 **9-12** - USHG 6.1.1, 6.1.5, 9.1.1  
**9-12** - Economics 1.1.1, 1.2.3



ONLINE RESOURCES

**HISTORY HUNTERS: INNOVATION**



SCAVENGER HUNT

**Henry Ford Museum**

- Investigating Inventions in Your Place in Time: 20th Century America
- Investigating Advertising in Automobile in American Life
- Investigating Early Aviators in Heroes of the Sky: Early Adventures in Flight

**Greenfield Village**

- Investigating the Making of Inventors: Henry Ford and the Wright Brothers
- Investigating George Washington Carver

**National Curriculum Standards for Social Studies Strands** I, II, III, IV, V, VIII

**Michigan Social Studies Grade Level and High School Content Expectations**

**1** - H2.0.5, H2.0.6 **2** - H2.0.3, H2.0.4, E1.0.3 **3** - H3.0.8 **6** - H1.2.2, H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.2, H1.2.6, H1.4.1, H1.4.2 **9-12** - USHG 6.1.1, 6.1.5, 7.1.1, 7.2.2, 8.3.3

**THE 21ST CENTURY FACTORY: ENVIRONMENTAL INNOVATIONS AT THE ROUGE**



POWERPOINT SLIDE SHOW

Examine the sophisticated technological and environmental innovations that were built into the Rouge in 2004. Today, the Rouge is a workplace that protects the environment by using emerging technologies to manage water, soil and daylight.

**National Science Education Standards** *Science in Personal and Social Perspectives, Science and Technology, Life Sciences, History and Nature of Science*

**National Curriculum Standards for Social Studies Strands** VIII

**Michigan Science Grade Level and High School Content Expectations**

**2** - E.FE.02.21 **3** - S.RS.03.17, S.RS.03.18, E.ES.03.43, E.ES.03.52, E.ES.03.42, E.ES.03.51 **4** - S.RS.04.18, PPM.04.53, L.EC.04.21 **5** - U2 S.RS.05.17 **6** - S.RS.06.17, L.EC.06.41 **7** - S.RS.07.17, E.ES.07.41, E.ES.07.42, E.ES.07.81 **9-12** - Biology B3.1A, B3.4C, B3.5e  
**9-12** - Earth Science E2.1B, E2.1C, E2.4B

**Michigan Social Studies Grade Level and High School Content Expectations**

**2** - H2.0.4 **4** - H3.0.1 **9-12** - USHG 6.1.5, 9.1.1



FREE DOWNLOADS @  
thehenryford.org/education





# CIVIL RIGHTS AND CORE DEMOCRATIC VALUES

Take advantage of our many curriculum-aligned opportunities to broaden your students' perspectives and prepare them for lives as responsible citizens. We offer many engaging and inspiring activities to enhance the development of civic knowledge and historical thinking. Sit in the bus seat that Rosa Parks occupied that momentous day in 1955. Witness the determination of people who endured hardships as they struggled to survive and secure their equal and civil rights.

## ON-SITE PROGRAMS

### CELEBRATE BLACK HISTORY! MINDS ON FREEDOM

DRAMATIC PRESENTATION

FREE with Museum admission

Henry Ford Museum hosts many activities during Black History Month in February. Few, though, are quite so stirring as "Minds on Freedom," a 30-minute interactive musical and dramatic program. America's civil rights movement of the 1950s and 1960s is recounted in a rich tapestry of spoken word and music that celebrates the groups and individuals who had the courage and commitment to ask more from their nation.

**Location:** Henry Ford Museum  
**Offered:** February 1-28, 2010  
**Program Length:** 30 minutes

**National Curriculum Standards for Social Studies Strands** II, V, VI, X  
**Michigan Social Studies Grade Level and High School Content Expectations**

**1** - H1.0.6 **2** - H2.0.3, H2.0.5 **6** - H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.6, H1.4.1, H1.4.2 **9-12** - USHG 8.3.1 **9-12** - Civics 1.1.1, 6.2.3, 6.2.5, 6.2.8

## ON-SITE PROGRAMS

### WITH LIBERTY AND JUSTICE FOR ALL

EXHIBIT

FREE with Museum admission

Our With Liberty and Justice for All exhibit focuses on four transformative eras in America's quest for freedom: the Revolutionary Era, the Antislavery Movement and Civil War Era, the Women's Suffrage Movement and the modern Civil Rights Movement. Henry Ford Museum is unparalleled in artifacts that spur dialogue and debate — everything from the bus where Rosa Parks sparked the nation's social conscience to a rare 1823 reproduction of the Declaration of Independence.

By coming face-to-face with these primary sources, combined with classroom discussion and project-based learning activities, students can gain new insights into the nation's core democratic values and the power of civic participation.

Visit our With Liberty and Justice for All website at [thehenryford.org/museum/liberty](http://thehenryford.org/museum/liberty) to learn more about the exhibit and to explore related artifacts, a timeline and curriculum-aligned classroom and Museum resources.

**Location:** Henry Ford Museum

**Offered:** Year-round

**Program Length:** Flexible

**Online Resources:** Instructional Unit/Lesson Plans, Self-guided Exhibit Exploration Guide



**National Curriculum Standards for Social Studies**

**Strands** I, II, V, VI, X

**National Standards for the English Language Arts** 1, 4, 7

**Michigan Social Studies Grade Level and High School Content Expectations** **4** - C5.0.4 **5** - U3.1.5, U3.1.6, U3.1.8 **6** - H1.2.1, H1.2.2, H1.2.5, H1.4.1, H1.4.2, H1.4.3 **7** - H1.2.1, H1.2.2, H1.2.6, H1.4.1, H1.4.2, H1.4.3 **8** - F1.1, F1.2, U4.3.2, U4.3.3, U5.1.1, U5.1.5, U5.1.6, U5.2.3, U5.2.4, U5.3.3, P3.1.1 **9-12** - USHG 6.3.3, 8.3.1, 8.3.2 **9-12** - Civics 1.1.1, 1.1.4, 2.1.4, 2.2.2, 2.2.3, 2.2.4, 3.5.8, 6.1.1, 6.1.2, 6.1.4, 6.1.5, 6.2.3, 6.2.5, 6.2.8

**Michigan English Language Arts Grade Level and High School Content Expectations**

**4** - R.CM.04.04, S.CN.04.03, L.CN.04.02

**5** - R.CM.05.04, S.CN.05.02, S.CN.05.03, S.DS.05.04, L.CN.05.02 **6** - R.CM.06.04, L.RP06.01, L.RP06.05, W.GR.06.01, W.SP06.01 **7** - R.CM.07.04, W.GR.07.01, L.RP07.05 **8** - R.CM.08.04, W.GR.08.01, W.SP08.01, L.RP08.05 **9-12** - CE 1.3.7, CE 1.4.4, CE 3.1.5, CE 3.1.10

### WITH LIBERTY AND JUSTICE FOR ALL SYMPOSIUM

FREE with Museum admission! Great for teachers!

Our annual Martin Luther King Jr. Day symposium is among the most sobering yet uplifting events of the year. The 2010 program will feature keynote speakers and student panelists addressing themes, ideas, people and groups represented in With Liberty and Justice for All, regarded by many as our most distinguished exhibit. High school students are invited to participate in a post-symposium reflective essay contest. For more details, contact Dorothy Ebersole at 313.982.6036.

**Location:** Henry Ford Museum

**Offered:** Martin Luther King Jr. Day - January 19, 2010

**Program Length:** Half-day



**ON-SITE PROGRAMS**

**TALLY'S TALES** DRAMATIC PRESENTATION

**FREE** with Village admission

When a woman named Tally begins to share the stories of her former life as a slave, sometimes words just aren't enough. So she sings. And by the end of this 15-minute dramatic presentation about the ability to endure, your students will be singing, too. Compelling, inspiring, tragic and uplifting. It's a show your students won't forget.

**Location:** Greenfield Village

**Offered:** May 3-June 11, 2010

**Program Length:** 15 minutes

**National Curriculum Standards for Social Studies Strands** II, V, VI, X

**Michigan Social Studies Grade Level and High School Content Expectations**

**1** - H2.0.6 **2** - H2.0.5 **4** - G4.0.2 **5** - U2.2.2, U2.2.3, U2.3.4

**6** - H1.2.5, H1.4.1 **7** - H1.2.6, H1.4.1 **8** - U4.2.2, U5.1.1, U5.1.5



Photo from the collections of The Henry Ford

**VOTES FOR ALL** DRAMATIC PRESENTATION

**FREE** with Village admission

In the course of this 20-minute gathering, suffragists share the history of their movement, the thoughts of important suffrage activists and even lead your group in historic suffrage songs.

**Location:** Greenfield Village

**Offered:** May 3-June 11, 2010

**Program Length:** 20 minutes

**National Curriculum Standards for Social Studies Strands** II, V, VI, X

**Michigan Social Studies Grade Level and High School Content Expectations**

**2** - H2.0.3, H2.0.5 **3** - C5.0.1 **4** - C5.0.4 **6** - H1.2.5, H1.4.1 **7** - H1.2.6,

H1.4.1 **8** - U4.3.3 **9-12** - USHG 6.3.3 **9-12** - Civics 1.1.1, 6.2.3, 6.2.5

**C IS FOR CITIZENSHIP**

DRAMATIC PRESENTATION

**FREE** with Village admission

Immerse your students in the vitality of life in a one-room schoolhouse. Miss Nardin or Mr. Chapman will guide them through a 19th-century civics lesson in the Scotch Settlement School. The interactive session offers a lively lesson in citizenship as students have fun with true-and-false questions, spelling and even some tongue twisters.

**Location:** Greenfield Village

**Offered:** May 3-June 11, 2010

**Program Length:** 20 minutes

**National Curriculum Standards for Social Studies**

**Strands** II, V, VI, X

**Michigan Social Studies Grade Level and High**

**School Content Expectations** **1** - H2.0.4, H2.0.5,

H2.0.6 **2** - H2.0.3, H2.0.4 **3** - C5.0.1

**4** - C5.0.1, C5.0.4 **6** - H1.2.5, H1.4.1, H1.4.2

**7** - H1.2.6, H1.4.1, H1.4.2 **8** - U4.3.3

**9-12** - Civics 1.1.1, 6.2.2, 6.2.3, 6.2.5, 6.2.8

**ONLINE RESOURCES**

**HISTORY HUNTERS:  
CITIZENSHIP**



SCAVENGER HUNT

**Henry Ford Museum**

- Investigating Taking a Stand in With Liberty and Justice for All

**National Curriculum Standards for Social Studies**

**Strands** II, V, VI, X

**Michigan Social Studies Grade Level and High**

**School Content Expectations** **2** - H2.0.3 **4** - C5.0.4

**5** - U3.1.5, U3.1.6, U3.1.8 **6** - H1.2.2, H1.2.5,

H1.4.1, H1.4.2 **7** - H1.2.2, H1.2.6, H1.4.1, H1.4.2

**9-12** - USHG F1.1, F1.2, 6.3.3, 8.3.1, 8.3.2



**FREE DOWNLOADS @**  
thehenryford.org/education

**LINCOLN'S LEGACY: RACE, FREEDOM AND EQUALITY OF OPPORTUNITY**



VIDEO

As part of the Lincoln Bicentennial, The Henry Ford hosted a national town hall meeting that explored what progress has been made on the "unfinished work" of equality and opportunity that Lincoln cited in his Gettysburg Address. Moderated by Professor Adam Green with panelists Professor Douglas Brinkley, Professor Darlene Clark Hine, Professor John Stauffer and Ambassador Andrew Young. Visit [thehenryford.org/education](http://thehenryford.org/education) to view and share the video.

*Produced in collaboration with Detroit Public Television*



## FAMILY AND COMMUNITY LIFE

Immerse your students in the sights, smells and sounds of the American past. Bring social studies and history to life by engaging your students' senses as they experience the artifacts, stories, people and events they have read about in their textbooks. Introduce students to the realities of work, family and community life from the past by visiting the historic districts in *Greenfield Village* and the exhibits in *Henry Ford Museum* or *Ford Rouge Factory Tour*.

### ON-SITE PROGRAMS

#### ONE-ROOM SCHOOL PROGRAM

##### SELF-GUIDED ACTIVITY

There's nothing students understand better than school. So treat them to a bit of educational time travel by stepping into the shoes of children living in the 1800s. Reserve a day in the rustic Miller or McGuffey schoolhouse. No more white boards or projection screens. Instead, your class will use McGuffey readers, slates and slate pencils. And *you* get into the picture, too, teaching lessons that were the basis of 19th-century education and drawing comparisons to the modern day. The One-Room School Teacher Guide is downloadable online at [thehenryford.org/education](http://thehenryford.org/education). It's filled with historical background and suggestions on what you can do before, during and after your visit. There are curriculum connections, too, and a full bibliography.

**Location:** Greenfield Village  
**Offered:** Daily September-October 2009;  
 Fridays November-December; Daily April 15-June 11, 2010  
**Program Length:** Flexible  
**Fee:** \$9.50 includes Village admission  
**Online Resources:** Teacher Guide

**National Curriculum Standards for Social Studies Strands II, V**  
**Michigan Social Studies Grade Level and High School Content Expectations**  
**K - H2.0.4 1 - H2.0.1, H2.0.4, H2.0.5, H2.0.6**  
**2 - H2.0.4 3 - H3.0.1**



### ON-SITE PROGRAMS

#### A GULLAH TALE

##### DRAMATIC PRESENTATION

##### FREE with Village admission

The distinctive Gullah culture and language of the Georgia sea islands preserved many elements of African culture. Experience the inspiring lessons that Mama Nancy's stories and the tales of little John taught to children on the plantation.

**Location:** Greenfield Village  
**Offered:** Fridays in October 2009  
**Program Length:** 20 minutes

**National Curriculum Standards for Social Studies Strands II, V, VI, X**  
**Michigan Social Studies Grade Level and High School Content Expectations 1 - H2.0.5, H2.0.6**  
**2 - H2.0.5 4 - G4.0.2 5 - U2.2.2, U2.2.3, U2.3.4**  
**6 - H1.2.5, H1.4.1 7 - H1.2.6, H1.4.1**  
**8 - U4.2.2, U5.1.1, U5.1.5**

#### TALES FROM HUCK FINN

##### DRAMATIC PRESENTATION

##### FREE with Village admission

Meet Huckleberry Finn, one of Mark Twain's most beloved characters, and hear about some of his memorable adventures in this 15-minute show. Favorite chapters from the book come alive in this high-energy one-man show filled with fun antics and timeless lessons.

**Location:** Greenfield Village  
**Offered:** May 3-June 11, 2010  
**Program Length:** 15 minutes

**National Curriculum Standards for English Language Arts I, II**  
**Michigan English Language Arts Grade Level and High School Content Expectations K-1 - L.CN.00.03**  
**1 - L.CN.01.03 2 - L.CN.02.03 3 - L.CN.03.02, L.CN.03.03 4 - L.CN.04.02, L.CN.04.03**  
**5 - L.CN.05.02, L.CN.05.03 6 - L.CN.06.02**  
**7 - L.CN.07.02 8 - L.CN.08.02 9-12 - CE.2.1.10, CE.2.2.1**



GREAT AMERICAN MUSEUM EXPERIENCE



**ON-SITE PROGRAMS**

**GREAT AMERICAN MUSEUM  
EXPERIENCE: THE ULTIMATE  
SLEEPOVER**

**SELF-GUIDED AND FACILITATED PROGRAM**

The Great American Museum Experience is a two-day overnight adventure that includes admission to multiple attractions, meals — prepared by The Henry Ford’s award-winning culinary staff — as well as accommodation in our Lovett Hall dormitories. And for after-hours fun, your students will produce their own 1940s-style radio show and get a crash course in the popular dances of the past.

**Offered:** September 2009–June 2010

**Location:** *January 1–April 14:* Henry Ford Museum, Ford Rouge Factory Tour and IMAX® Theatre. *April 15–December 14:* Henry Ford Museum, Greenfield Village and one-day ride pass.

**Program Length:** Two days, including overnight stay, 2 meals and a snack

**Fee:** \$86.50 per person

**National Curriculum Standards for Social Studies Strands** I, II, III

**Michigan Social Studies Grade Level and High School Content Expectations**

**3** - H3.0.1 **4** - H3.0.4 **6** - H1.4.1, H1.4.2  
**7** - H1.4.1, H1.4.2

**ONLINE RESOURCES**

**HISTORY HUNTERS: COMMUNITY LIFE**

**SCAVENGER HUNT**

**Henry Ford Museum**

- Investigating Generations in Your Place in Time: 20th Century America
- Investigating the Changing American Landscape in Automobile in American Life

**Greenfield Village**

- Investigating 19th Century School Life
- Investigating Historic Crafts and Trades
- Investigating Historic Kitchens

**National Curriculum Standards for Social Studies Strands** I, II, III, IV, V, VIII

**Michigan Social Studies Grade Level and High School Content Expectations** **1** - H2.0.5, H2.0.6 **2** - H2.0.4, E1.0.3 **5** - U2.3.2 **6** - H1.2.2, H1.4.1, H1.4.2  
**7** - H1.2.2, H1.4.1, H1.4.2



**FREE DOWNLOADS @**  
thehenryford.org/education



**ONLINE RESOURCES**

**COLONIAL FAMILY  
AND COMMUNITY**



**INTERACTIVE MODULE**

Here’s your chance to be a history detective. Your challenge? Investigate the daily lives of the Daggetts, a colonial family living in northeastern Connecticut. In this interactive module, you’ll be able to peek into Samuel Daggett’s account book to uncover clues about his family’s lives, just the way *Greenfield Village* historians did. The module contains more than a dozen video and audio clips offering vivid examples of colonial life in the 1700s.

**National Curriculum Standards for Social Studies Strands** II, V, VII

**Michigan Social Studies Grade Level and High School Content Expectations**

**2** - H2.0.3, H2.0.4, E1.0.3, E1.0.4, E1.0.5  
**5** - U2.3.2, U2.3.3 **6** - H1.2.5, H1.4.1, H1.4.2  
**7** - H1.2.6, H1.4.1, H1.4.2

**LIVING UNDER ENSLAVEMENT  
AT HERMITAGE PLANTATION**



**INTERACTIVE MODULE**

Step inside the cramped quarters that an enslaved carpenter called home during the years he lived at Georgia’s Hermitage Plantation. Click from page to page and explore the artifacts that reveal the ways in which the people who lived here cared for their families, used their skills, preserved African traditions and resisted enslavement.

**National Curriculum Standards for Social Studies Strands** II, V, VI, X

**Michigan Social Studies Grade Level and High School Content Expectations**

**4** - G4.0.2 **5** - U2.2.2, U2.2.3, U2.3.4  
**6** - H1.2.1, H1.2.5, H1.4.1, H1.4.2  
**7** - H1.2.1, H1.2.6, H1.4.1, H1.4.2  
**8** - U4.2.2, U5.1.1, U5.1.5

**TOYS ONLINE EXHIBIT**



Toys are more than fun. They’re vital historical resources. To the trained historian, toys share volumes of information about how American life has changed over the decades. Our online exhibit of toys, games and dolls explores how children played in the past and what parents did – or didn’t – consider important about their children’s playthings. You also can see how advances in technology changed the way toys were made and even what kinds of toys were available. Classroom activities connected to Social Studies and English Language Arts are also available online.

**National Curriculum Standards for Social Studies Strands** II, IV

**National English Language Arts Standards** 1, 3, 4, 7

**Michigan Social Studies Grade Level and High School Content Expectations**

**K** - H2.0.1, H2.0.4 **1** - H2.0.5, H2.0.6

**Michigan English Language Arts Grade Level and High School Content Expectations**

**K** - R.NT.00.03, R.NT.00.04, R.CM.00.01, W.GN.00.01 **1** - R.NT.01.04, R.CM.01.01, W.GN.01.01  
**2** - R.NT.02.03, R.CM.02.01 **3** - R.NT.03.01, R.NT.03.03, R.CM.03.01

# science and technology

We don't just focus on history. The Henry Ford also has numerous exhibits, collections and resources that provide terrific platforms and tools for teaching and learning about science and technology. Develop your students' scientific inquiry skills with a visit to The Henry Ford, where they can observe, question, investigate and reflect on the solutions to yesterday's problems and today's challenges.

Here they will encounter the choices that past generations faced, the decisions they made and the social implications of those decisions. Students can reflect on the trade-offs associated with past and present scientific, technological and industrial achievements. The sites and stories of a diverse array of inventors, engineers and entrepreneurs offer numerous real-life examples to advance student understanding of the role of science and technology in society.

## ON-SITE PROGRAMS

### IF I HAD A HAMMER

#### FACILITATED PROGRAM

Here's a way to put core subjects such as math and language arts to work in a downright entertaining way. "If I Had a Hammer" is a problem solver's delight, as teams of students work together to construct an 8- by 11-foot house inside *Henry Ford Museum*. Cooperation is a must as students discover just how essential those subjects can be when they're applied to a real-world challenge.

**Location:** Henry Ford Museum

**Offered:** September 2009–June 2010

**Program Length:** 2 hours

**Fee:** \$14.50 includes Museum admission

**Online Resources:** Teacher Guide

**National Principles and Standards for School Mathematics** *Number and Operation, Measurement, Problem Solving, Communication, Connections*

**National Standards for the English Language Arts** 4, 12

**National Career and Employability Skills Standards** 1, 5, 6, 7

**Michigan Math Grade Level and High School Content Expectations** 4 - *N.FL.04.08, N.FL.04.34, N.FL.04.36, M.UN.04.01* 5 - *N.FL.05.05*

**Michigan ELA Grade Level and High School Content Expectations**  
4 - *L.CN.04.01, L.CN.04.02* 5 - *L.CN.05.02*  
6 - *L.CN.06.02*



## ON-SITE PROGRAMS

### HEROES OF THE SKY EXHIBIT FREE with Museum admission

When your students enter *Henry Ford Museum*, the first thing they see is a sleek, silvery airplane hanging high above the Museum floor. That's our 1939 DC-3, the centerpiece of Heroes of the Sky, an exhibit that explores the wild and woolly early days of flight. Downloadable lesson plans and student "pilot logs" offer a variety of ways for this fascinating exhibit to help you meet science, social studies and English language arts content expectations. And, on a practical level, the pilot log gives the students a tangible focus as they explore the exhibit.

Visit our special Heroes of the Sky website at [thehenryford.org/exhibits/heroes/home.asp](http://thehenryford.org/exhibits/heroes/home.asp) to learn more about the exhibit and access classroom and Museum resources.

**Location:** Henry Ford Museum

**Program Length:** Flexible

**Online Resources:** Instructional Unit/Lesson Plans, Self-guided Exhibit Exploration Guide

**National Science Education Standards**  
*Science as Inquiry, Physical Science, Science and Technology, Science in Personal and Social Perspectives, History and Nature of Science*  
**National Curriculum Standards for Social Studies Strands** II, VIII

**National Standards for the English Language Arts** 1, 3, 4, 7, 12

**Michigan Science Grade Level and High School Content Expectations** 4 - *S.IP.04.11, S.IP.04.12, S.IP.04.13, S.IP.04.14, S.IP.04.15, S.IP.04.16, S.IA.04.11, S.IA.04.12, S.IA.04.13, S.IA.04.14, S.IA.04.15* 5 - *S.IP.05.11, S.IP.05.12, S.IP.05.13, S.IP.05.15, S.IP.05.16, S.IA.05.12, S.IA.05.14, PFM.05.41, PFM.05.42* 6 - *S.IP.06.11, S.IP.06.12, S.IP.06.13, S.IP.06.15, S.IP.06.16, S.IA.06.11, S.IA.06.12, S.IA.06.13, S.IA.06.14, S.IA.06.15, PEN.06.11* 7 - *S.IP.07.11, S.IP.07.12, S.IP.07.13, S.IP.07.15, S.IP.07.16, S.IA.07.11, S.IA.07.12, S.IA.07.13, S.IA.07.14, S.IA.07.15*

9-12 - *Physics 1.1A, 1.2D, 1.1E, 2.1A, 2.2A, 3.1A, 3.1d, 3.3A, 4.3A, 4.3C*

**Michigan Social Studies Grade Level and High School Content Expectations**

2 - *H2.0.3* 6 - *H1.2.2, H1.2.5* 7 - *H1.2.2, H1.2.6*

9-12 - *WHG 7.1.4* 9-12 - *USHG 6.1.1*

**Michigan ELA Grade Level and High School Content Expectations**

4 - *R.CM.04.04, S.CN.04.03, L.CN.04.02*

5 - *R.CM.05.04, S.CN.05.03, S.CN.05.02, L.CN.05.02*

6 - *R.CM.06.04, S.DS.06.04, L.CN.06.02*

7 - *R.CM.07.04, S.CN.07.01, S.DS.07.04, L.CN.07.02*

8 - *R.CM.08.04, S.CN.08.01, S.CN.08.02, S.DS.08.04, L.CN.08.02*

9-12 - *CE1.3.1, CE1.3.9, CE1.4.3, CE1.5.2*



ON-SITE PROGRAMS

**NEW! OUTDOOR LIVING LAB**

GUIDED ACTIVITY

FREE with Ford Rouge Factory Tour admission

Experience the real-world application of green building design principles and goals. Step outside and see how balancing the needs of the environment, industry and society has made the Rouge complex a leader in sustainable design. Hear how the ecosystem of this industrial setting has been transformed and managed to create healthier soil, water and air. Inspire your students to have a positive impact on global environmental issues through their personal and household choices.

**Location:** Ford Rouge Factory Tour

**Offered:** Mid-April to mid-October, weather permitting

**Program Length:** 15 minutes

**National Science Education Standards** *Science as Inquiry, Science in Personal and Social Perspectives, Science and Technology, Life Sciences, History and Nature of Science*

**Michigan Science Grade Level and High School Content Expectations**

- 1** - E.ES.E.1 **2** - E.FE.E.2 **3** - E.ES.E.4, E.ES.E.5, E.SE.E.3 **4** - L.EC.E.2 **5** - L.EV.M.1
- 6** - L.EC.M.1, L.EC.M.4 **7** - E.ES.M.1, E.ES.M.4, E.ES.M.8 **9-12** - Biology - L3.p3, L3.p4, B3.4, B3.4x, B3.5x **9-12** - Earth Science - E2.4, E4.p1, E4.1

**NEW! TEST DRIVE SMART TOOLS**

SELF-GUIDED ACTIVITY

FREE with Ford Rouge Factory Tour admission

Get your hands on one of the technological innovations transforming the American auto industry. Handle a “smart tool” that workers use on the factory floor and simulate steering wheel installation on a Ford F-150 pickup. Discover the connections between advanced tooling (process), skilled workers (people) and the end quality of the vehicle (product).

**Location:** Ford Rouge Factory Tour

**Offered:** Daily

**Program Length:** Variable, self-directed

**National Science Education Standards** *Science as Inquiry, Science in Personal and Social Perspectives, Science and Technology, Life Sciences, History and Nature of Science*

**National Curriculum Standards for Social Studies Strands VII, VIII**

**Michigan Science Grade Level and High School Content Expectations K-7** - S.IPE.1, PFM.E.3 **9-12** - Physics - P3.1, P3.1x, P4.1, P4.1x, P4.3

**Michigan Social Studies Grade Level and High School Content Expectations 1** - H2.0.6 **2** - H2.0.4

**3** - G4.0.1 **4** - H3.0.1, H3.0.5, E1.0.5

**9-12** - USHG 9.1.1 **9-12** - Economics 1.1.1, 1.2.3



The Henry Ford was awarded the U.S. Green Building Council's Excellence in Green Building Education Incentive Grant. This grant will fund the development of K-12 environmental science programs at the Ford Rouge Factory Tour. Check our website for further updates.

ONLINE RESOURCES



**HISTORY HUNTERS: SCIENCE AND TECHNOLOGY**



SCAVENGER HUNT

**Ford Rouge Factory Tour**

- Investigating Environmental Innovations
- Investigating Manufacturing

**National Science Education Standards**

*Science as Inquiry, Life Science, Science and Technology, Science in Personal and Social Perspectives, History and Nature of Science*

**National Curriculum Standards for Social Studies Strands II, III, VII, VIII**

**Michigan Science Grade Level and High School Content Expectations**

- 2** - E.FE.02.21 **3** - S.RS.03.17, S.RS.03.18, E.ES.03.43 **4** - S.RS.04.18, PPM.04.53, L.EC.04.21 **5** - S.RS.05.17 **6** - S.RS.06.17, L.EC.06.41 **7** - S.RS.07.17, E.ES.07.41, E.ES.07.42, E.ES.07.81 **9-12** - Biology L3.p4A, B3.4C, B3.5e **9-12** - Earth Science E2.1B, E2.1C, E2.4B

**Michigan Social Studies Grade Level and High School Content Expectations**

- 2** - H2.0.3, H2.0.4, E1.0.3 **3** - H3.0.8 **4** - H3.0.1 **6** - H1.2.2, H1.2.5, H1.4.1, H1.4.2 **7** - H1.2.2, H1.2.6, H1.4.1, H1.4.2 **9-12** - USHG 6.1.1, 6.1.5



**FREE DOWNLOADS @**  
thehenryford.org/education

**THE 21ST CENTURY FACTORY: ENVIRONMENTAL INNOVATIONS AT THE ROUGE**



POWERPOINT SLIDE SHOW

Examine the sophisticated technological innovations that were built into the Rouge in 2004. Today, the Rouge is a workplace that protects the environment by using emerging technologies to manage water, soil and daylight. It's rare that you find such a first-rate mix of social studies and science!

**National Science Education Standards** *Science in Personal and Social Perspectives, Science and Technology, Life Sciences, History and Nature of Science*

**National Curriculum Standards for Social Studies Strands VIII**

**Michigan Science Grade Level and High School Content Expectations 2** - E.FE.02.21 **3** - S.RS.03.17, S.RS.03.18, E.ES.03.43, E.ES.03.52, E.ES.03.42, E.ES.03.51 **4** - S.RS.04.18, PPM.04.53, L.EC.04.21 **5** - U2 S.RS.05.17 **6** - S.RS.06.17, L.EC.06.41 **7** - S.RS.07.17, E.ES.07.41, E.ES.07.42, E.ES.07.81

**9-12** - Biology B3.1A, B3.4C, B3.5e **9-12** - Earth Science E2.1B, E2.1C, E2.4B

**Michigan Social Studies Grade Level and High School Content Expectations 2** - H2.0.4 **4** - H3.0.1

**9-12** - USHG 6.1.5, 9.1.1



# plan your field trip

## RESERVATIONS

To book a field trip to **The Henry Ford**, contact our Call Center to speak with trained professionals who will answer questions and help schedule your visit. **313.982.6001, ext 1**, 9am-5pm daily.

## SCHOOL GROUP RATE/PRICING

Educators with groups of 15 or more receive a discounted school group rate of **\$8 for each venue** and **\$8 unlimited ride pass** for *Greenfield Village*. Special programs vary in pricing. Some require advance payments, contracts and deposits; ask your Call Center representative for details. **Teachers must purchase tickets for group leaders in order for them to receive a group rate. Group leaders purchasing tickets separately will pay general admission rates. All prices and programs subject to change.**

## HOME SCHOOLERS

Home School groups receive the same discounted student rate with groups of 10 or more with a reservation. In addition, we extend free admission and transportation to accompanying adults at a ratio of one free adult for every five students. Additional adults pay the discounted rate. **Advance reservations are required.**

## SCHOLARSHIPS

A limited number of scholarships are available to help defray the cost of admission and transportation to *Henry Ford Museum*, *Greenfield Village* or *Ford Rouge Factory Tour*. For more information visit [thehenryford.org/education](http://thehenryford.org/education). **The Henry Ford school field trip scholarship program has been made possible in part through the generosity of the MASCO Corporation Foundation, Colina Foundation and Karen Colina Wilson Foundation.**



## 2009 HOURS OF OPERATION\*

### Greenfield Village

January 1-April 14 closed

April 15-November 2

open 7 days a week, 9:30am-5pm

November 3-December 31

open Friday-Sunday

9:30am-5pm

### Henry Ford Museum

open 7 days a week,

9:30am-5pm

### Ford Rouge Factory Tour

open Monday-Saturday, 9:30am-5pm

Call for bus times and seasonal hours.

### The Henry Ford IMAX Theatre

open daily with extended hours

### Benson Ford Research Center

Reading Room

open Tuesday-Friday, 9:30am-5pm

All attractions are closed Thanksgiving Day and Christmas Day.

**\*Subject to change. Check website for 2010 updates.**

## TICKETING

When you prepay for your visit in full, your tickets will be waiting upon arrival and you will receive express ticketing. To expedite your entry, we can mail your tickets in advance for a **\$5 shipping and handling fee**. In order to ship tickets, payment must be received two weeks prior to your scheduled arrival date.

## PAYMENT OPTIONS

We offer three easy ways to pay for your field trip.

### Check

Make checks payable to **The Henry Ford** and mail to:

**Call Center - The Henry Ford**

**20900 Oakwood Boulevard**

**P.O. Box 1970**

**Dearborn, Michigan 48121-1970**

### Charge

MasterCard, Visa, American Express and Discover

### Cash

Large bills only

## REFUNDS

The Henry Ford Call Center will provide self-addressed envelopes to return unused tickets for a full refund. For groups traveling on their own buses to the *Ford Rouge Factory Tour*, tickets are exchangeable and refundable. For groups traveling on Ford Rouge buses, due to the limited bus seating, tickets are not refundable or exchangeable.

## GROUP GUIDELINES

One adult group leader is required for every 10 students. Group leaders must be adults. Please respect the artifacts and help us preserve history. Touch things only if you have been invited to do so. Student groups, grades K through 12, and group leaders must stay together at all times.

## ACCESSIBILITY

Wheelchairs are available in both *Henry Ford Museum* and *Greenfield Village* for a nominal fee. The Museum is completely handicapped accessible. Due to the historic nature of the Village, some buildings cannot accommodate wheelchairs and strollers.

Wheelchairs are available for **FREE** use during your visit to the *Ford Rouge Factory Tour*. Up to four wheelchairs can be accommodated at each theater showing. Wheelchairs can be transported on Factory Tour buses as can most motorized wheelchairs (some weight limits apply). The facility is completely handicapped accessible.

## field trip tips

- 1** Download our Field Trip Planning worksheet at [thehenryford.org/education](http://thehenryford.org/education).
- 2** To book a trip, call **313.982.6001**, press 1.
- 3** Read your confirmation and pre-visit materials – share this information with all group leaders!
- 4** Prepay for your visit to receive express check-in.
- 5** To avoid getting separated from the group, provide a specific location for all group members to meet before entering a venue.

## DIRECTIONS TO THE HENRY FORD

### From I-94

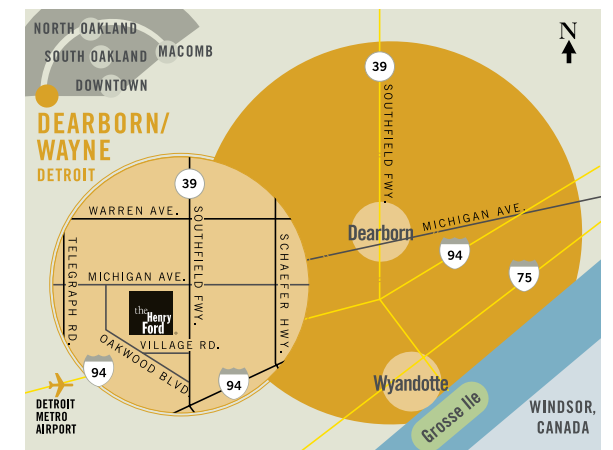
Exit northbound Southfield (M-39), drive 1.8 miles to Oakwood Boulevard (Exit 4). Turn left on Oakwood and drive 1.8 miles.

### From I-75

Exit northbound Southfield (M-39), drive 4.1 miles to Oakwood Boulevard (Exit 4). Turn left on Oakwood and drive 1.8 miles.

### From I-96

Exit southbound Southfield (M-39), drive 4.5 miles to Michigan Avenue (Exit 6). Stay to left on service drive, then turn right at entrance on Village Road.



Visit [www.michigan.gov/mdot](http://www.michigan.gov/mdot) for updated road closures, construction details and detours.

# field trip enhancements

## SHOPPING

A large selection of educational toys, books, souvenirs and resources is available in the Museum, Village and *Ford Rouge Factory Tour* stores. Teachers and students may wish to bring along a little extra spending money. If you run out of time, shop online at [thehenryford.org](http://thehenryford.org).

## DINING

### Bring Your Own Lunch

School and youth groups are invited to bring their own lunches. Beverage vending machines are provided for your convenience at the Museum and *Ford Rouge Factory Tour*. Glass containers are not permitted in our venues. No food, drinks or smoking are permitted in the Museum exhibit areas, Village historic buildings, on rides or outside designated areas at *Ford Rouge Factory Tour*.

### Student Dining Room

Reserve a space for your group to eat in our Student Dining Room located across from the Michigan Café in *Henry Ford Museum* or on the Mezzanine at the *Ford Rouge Factory Tour*. This space is open to groups that are bringing their own lunches. But please note that this requires advance reservations through the Call Center.

### Dining in the Museum and Village

At *The Henry Ford*, we have 11 dining venues featuring locally grown products to satisfy every taste and every appetite. Students will love a hot dog from our Wienermobile™ Café or rock candy from Sir John Bennett Sweet Shop. From sweets and snacks to beverages and lunch, we've got a dining option just for you!

## HISTORIC RIDES IN GREENFIELD VILLAGE

Travel through time and explore historic modes of transportation in *Greenfield Village*. Village rides and ride pass reservations must be reserved 24 hours prior to your visit date. Group discounts on rides do not apply upon arrival unless tickets are reserved in advance.

SEE PAGE 9 FOR MORE DETAILS



**NEW!**

**FIELD TRIP SOUVENIR BAG**

**\$6 per bag**

As you plan your field trip, get ahead of the game and pre-order\* and pre-pay for your groups' souvenir bags, then simply pick up your order in the store the day of your visit. Download the order form @ [thehenryford.org/education](http://thehenryford.org/education).

*\*All pre-orders must be received one week prior to your visit.*



## Getting in, out and around THE HENRY FORD



## tips for your visit to THE HENRY FORD

### 1) Where does the bus drop us off and pick us up?

- **Greenfield Village:** in front of the *Greenfield Village* Ticket Building. **D**
- **Henry Ford Museum, IMAX Theatre or Ford Rouge Factory Tour:** in front of the Clocktower Entrance. **C**
- Take our buses, which include a brief introduction to the *Ford Rouge Factory Tour*, or drive your own school or tour bus directly to the Visitor Center. A limited number of school buses can be accommodated at the Visitor Center daily; advance reservations and parking permits are required. Contact the Call Center for reservations.

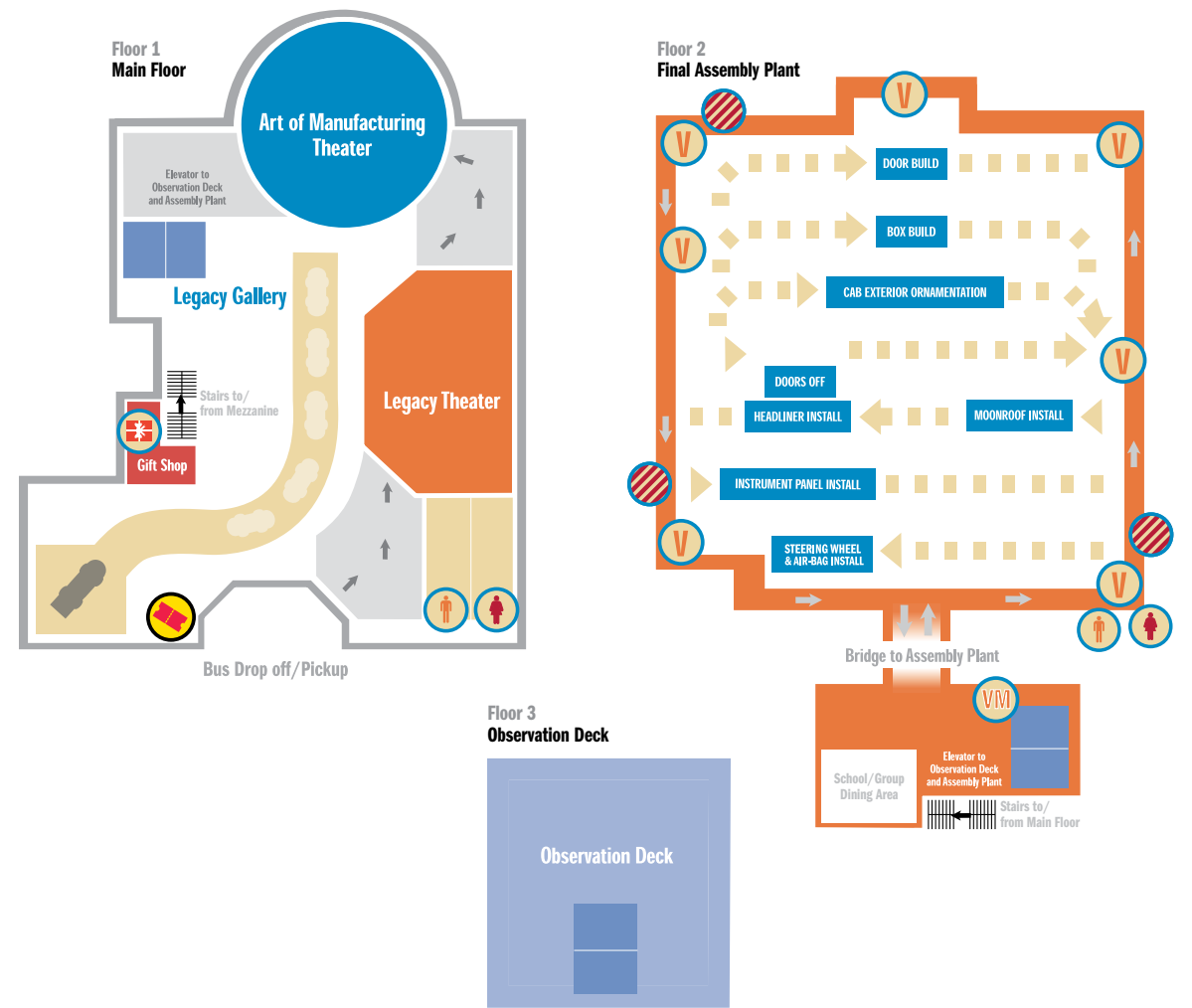
### 2) Where do we park?

- **Cars:** for *Greenfield Village* visits, public parking is available in lots along Village Road. For *Henry Ford Museum*, *IMAX Theatre* or *Ford Rouge Factory Tour* visits, parking is available next to the *IMAX Theatre* at Oakwood Boulevard.
- **Buses:** a designated bus parking lot is located along Village Road across from *Greenfield Village*.

### 3) Where do we pick up our tickets?

- **Greenfield Village:** at the *Greenfield Village* Ticket Building. **D**
- **Henry Ford Museum, IMAX Theatre or Ford Rouge Factory Tour:** at the Clocktower Entrance. **C**
- Tickets purchased in advance can be mailed directly to you for a small fee. Contact the Call Center for more information.





## tips for your visit to HENRY FORD MUSEUM

### 1) Where do we start?

- Unpaid reservations can be finalized at the Group Check-In counter at the Clocktower Entrance.
- If you already have your tickets, you may go directly to the Ticket Attendant to enter the Museum.

### 2) Where are the restrooms?

- **Inside Museum:** Along the front wall of the Museum and down the Jewelry and Silver & Pewter aisles.
- **IMAX Theatre and Ford Rouge Factory Tour guests:** Use the IMAX lobby and Michigan Café restrooms.

### 3) Where do we eat?

- **Restaurant:** For Museum guests, grab a snack or lunch at the Wiernermobile Café.
- **Bringing your lunch?** Student Dining Room is available for groups that bring their lunches, reserve a space for your group to eat. (*advance reservation required*)

### 4) Where can we pick up souvenirs?

- **Henry Ford Museum Store and Genius at Play Store:** A wide variety of educational toys, books, souvenirs and resources.
- **Mold-A-Rama Souvenirs** make great mementos.

## tips for your visit to FORD ROUGE FACTORY TOUR

### 1) How do we get to the Factory Tour?

Groups with their own buses may arrange to drive directly to the *Ford Rouge Factory Tour*. Groups traveling in private cars park at *Henry Ford Museum* and ride the *Ford Rouge Factory Tour* buses.

### 2) Where do we pick up our tickets?

Groups traveling on their own buses pick up their tickets in the Legacy Gallery at the Rouge Visitor Center. Groups traveling on *Ford Rouge Factory Tour* buses pick up their tickets at the Clocktower Entrance at *Henry Ford Museum*.

### 3) In what order should we see the tour?

The *Ford Rouge Factory Tour* is a self-guided experience composed of five main stations plus hands-on interactives and a seasonal outdoor station. You can experience the tour in any order. Theater shows run every 20 minutes until 4pm (limit 75/show).

### 4) Are there special rules to visit the Truck Plant?



This is a working truck plant, so it is critical that chaperones actively supervise students. No shouting, waving or other distractions are allowed in the plant. Photography, cell phone use, food and beverages are also prohibited inside the plant. Thank you for your cooperation. These rules help ensure the plant employees can focus on building quality vehicles.

*Daily vehicle production is based on actual vehicle sales orders, so you may be touring when vehicles are not being built.*



## tips for your visit to GREENFIELD VILLAGE

### 1) Where do we start?

- Unpaid reservations can be finalized at the *Greenfield Village* ticket building. 
- If you already have your tickets, you may go directly to the ticket attendant. 

### 2) Where are the restrooms?













- **Inside Village:** Liberty Craftworks, Railroad Junction, A Taste of History™ restaurant and Edison at Work districts.
- **Outside Village:** In back of *Greenfield Village* Ticket Building in the Josephine Ford Plaza.

### 3) Where do we eat?






- **Restaurants:** Grab snacks or lunch in Main Street District at State Street Lunch Stand, Sir John Bennett Sweet Shop, A Taste of History or Frozen Custard. (*Times vary seasonally*)
- **Bringing your lunch?** While you may picnic anywhere in *Greenfield Village*, State Street Lunch Stand has ample sheltered seating.
- A limited number of lunch wagons are available on a first-come, first-served basis. Groups are encouraged to bring backpacks to carry lunches.

### 4) Where can we pick up souvenirs?

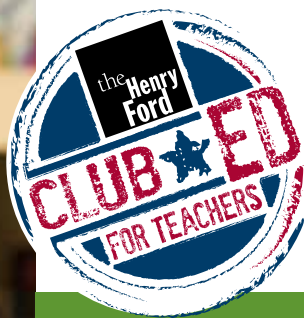
- **Greenfield Village Store** in the Josephine Ford Plaza.
- **Mold-A-Rama Souvenirs** are available at A Taste of History restaurant in Main Street District.

-  Tickets and Group Check-In
-  Ticket Attendant
-  Gift Shop
-  Restaurants
-  Women's Restrooms
-  Men's Restrooms
-  ATM
-  Information
-  Public Telephone
-  Mold-A-Rama Souvenirs
-  Special Needs Rentals
-  First Aid OR Please contact any Village staff member

**Greenfield Village Transportation**  
9:30 am-4:30 pm

-  Weiser Railroad Train Station\*\*
-  Carousel
-  Bus Stops\*\*
-  Model T Ride\*\*
-  Omnibus Shuttle Stops\*\*

\*\*Indicates pickup and drop-off locations. Rides subject to seasonal availability. Omnibus available only with Ride Pass. All other rides available individually or with Ride Pass.



# 100-DAY GIVEAWAY

100 days of instant win prizes for you + the chance at three grand prize packages featuring a case of Promethean ActivExpressions and much more!

**ENTER TO WIN@**  
[thehenryford.org/sweepstakes](http://thehenryford.org/sweepstakes)



NO PURCHASE NECESSARY. A PURCHASE WILL NOT INCREASE YOUR CHANCES OF WINNING. LEGAL RESIDENTS OF THE 50 UNITED STATES (D.C.) 18 AND OLDER AND AN EDUCATOR AT AN ACCREDITED K-12 EDUCATION INSTITUTION. VOID IN FL, NY, AND WHERE PROHIBITED. Promotion ends 12/18/09. For Official Rules, prize descriptions and odds disclosure, visit [thehenryford.org/sweepstakes](http://thehenryford.org/sweepstakes). Sponsor: The Henry Ford, 20900 Oakwood Blvd., Dearborn, MI 48124.

## Sign up for CLUB ED

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- Club Ed Promotions and Exclusive Offers

**FREE to join! Sign up @ [thehenryford.org/education](http://thehenryford.org/education)**



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