

AACA Museum Inc.



**Exploration and
Education Pack**

aacamuseum.org/education

**Please remember our simple rules when exploring
the AACA Museum, Inc.:**

Traffic Signals

Look for the traffic signal color, on the labels, to help you enjoy your visit!



Red Light = Look with your eyes, not with your hands

Yellow Light = Ask to handle the object

Green Light = Interactive or touchable

Floor Legend:

ML = Main Level LL = Lower Level UL = Upper Level

HAVE FUN!

Activity Location: **Walsh Motor Company (ML)**

Using the tablet in the shop, identify the picture on this card. Can you locate it somewhere around the shop?



"Nibble, nibble, little mouse, can you find it in this work house?"

Look up. Look down. Try looking all around!

Activity Location: **Walsh Motor Company** (ML)



- What early automobile repairs do you think could be performed here?

Describe:

What other items from early 1900's could also be repaired here?

Have you pushed the button in the Machine Shop? Y/N

Can you identify how many belts are moving? _____

What automobile is currently on display in the Walsh's Motor Company?

Activity Location: **New York** (ML)



Question Challenge

Look at the exhibit labels next to each car in the display to determine the oldest vehicle.

- What's the name of the car?

- What year was it built?

- What was the make and year of the first car you or your family owned? _____

- Do any of the autos in this section resemble a car you or your family would have owned? **Yes** **No**

- Name three (3) differences from your car and what you see:

1. _____

2. _____

3. _____

Activity Location: **New York** (ML)

Notice how some of the automobiles on display don't have windshields. Before windshields were installed on automobiles, drivers used eye protection called **aviator goggles** to protect their eyes from the dirt, rain and most importantly wind. This allowed the driver and their passengers to see where they were going. However, the goggles didn't always help because they would get dirty.



Look around and determine if there are any automobiles or other vehicles nearby that would require goggles. Identify and record the names of vehicles:

Why would goggles be called 'aviator' goggles? What would they be used for?

Location: **Driving after Sundown: Headlights** (ML)



Our exhibit shows actual historic car headlights spanning over 120 years that you can control! Place your hand directly in front of a light, observe what happens on the screen, and explore historical other artifacts and headlight history in the showcases.

- Automobile lights to use while driving after dark have always been a problem because of '*Glare.*' Glare is the result of what?

- Why can glare be dangerous?

- What year were sealed beam headlights first introduced?

- How do 5 inch sealed beam headlights change from Hi to Low Beam operation? _____

- When were the first electric lights introduced for use on a car?

Activity Location: **Assembly Line Experience** (ML)



Review the wall panel cards

- Who was the first person to create and patent the first modern assembly line? Hint: It wasn't Henry Ford.

- When was the robotic age of assembly born?

- Who installed the first robotic arm used on assembly lines?

- Who installed the first moving assembly line?

- How many minutes did it take for workers to build a Ford Model-T? _____

Activity Location: **Assembly Line Experience** (ML)

Assembly workers ASSEMBLE!

Try assembling five (5) cars, timing yourself with your smart device. How long did it take? _____

With family/friends? Try as an assembly team to see how many you can complete in the same amount of time. Did you make more or less? _____

Why?



Take a picture of your completed model. Share using
#AssemblyLine@AACAMuseum

Please take apart the models you put together so that the next person can enjoy the experience. Wooden vehicles may not be removed from this location.

Would you like to reserve this experience for your group?

Please let us know!

Activity Location: **Hershey Scenes** (ML)



Hershey Mural Challenge *Estimated time 5 – 10 minutes*

Locate the following items and check off what you find:

4 blue cars	1 man wearing a green suit	2 squirrels
2 women wearing a blue dress	1 yellow rose on a suit coat	1 brown dog
1 Derry Road street sign	1 Smoke Stack labeled Hershey	1 black steam engine train

You have to look at the entire mural, not just one section to complete your challenge.

Question & Answer

- What kind of road do you think this is coming out of the covered-bridge? _____

Activity Location: **The Miami Beach Scene** (ML)



The scene in the 1930s area represents Miami. Do you know where Miami is in the United State? _____

What's the Difference Challenge

By the 1930's automobiles were adapting to the needs of their purchasers based on their wealth, wants and geographical location.

Look at the different cars on display before and around the Miami Scene. Check off some things that you see that have changed on automobiles from cars built in the earlier decades.

- Spare tires moved off fenders and into the trunk.
- Hand cranks are no longer needed to start the car.
- Trunks are no longer attached to the outside of the car.
- Candle, oil and gas headlights are no longer used to provide light after dark.
- Metal car bodies replaced wood car bodies.
- Wheels are made of metal not wood.
- Tires are smaller and wider.

Activity Location: **The Miami Beach Scene (ML)**



Shapes Challenge

- Can you look and find circles, squares and rectangle shapes in the Miami Beach Scene?
- Do any parts on the cars have matching shapes?
- How many shapes did you count?

Circles _____

Squares _____

Rectangles _____

- Can you add the total number of shapes you've counted?

Scratch box to add up your shapes

Activity Location: **Gas Service Station** (ML)



Gas Pump and Station Challenge

Before 'self-serve' gas stations, people would come to your car and service your vehicle. There were two ways drivers could notify a gas station attendant that they had arrived:

1. Honk their horn
2. Drive over a long hollow tube that would ring a bell.

Task

Try jumping on the long black tube in front of the station building to make the bell ring.

Go inside the gas station; find the sign inside to learn about the eight (8) things that happened at a station in 1940s. Do they still happen today? ___ Yes ___ No

List three things that you can get at most gas stations today that you don't see in the 1940s station display:

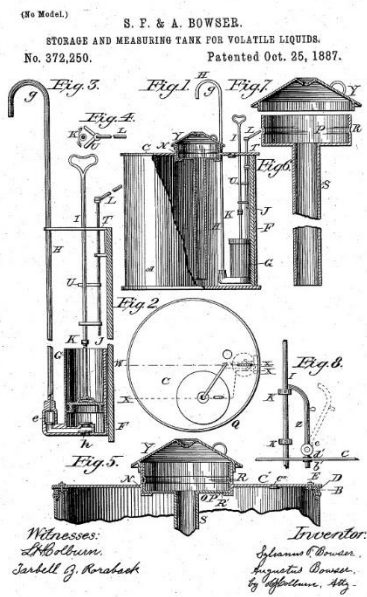
1. _____
2. _____
3. _____

Activity Location: **Gas Service Station (ML)**



Did you know?

The first purposely built drive-in gasoline service station opened in Pittsburgh, Pennsylvania, around 1905, using pumps invented by Sylvanus Freelove (S.F.) Bowser in 1887. The Bowser pumps could hold up to 42 gallons of gasoline.



Do the pumps on display look like the one in the picture?
What makes the pumps on display different?

Activity Location: **Sunset Drive-In (ML)**



After a number of years without new cars, the 1950s was a decade when people wanted to do everything in their new car. By the end of the 1950s there were over 5,000 "drive-ins" where people could watch a movie from their car.

Unlike modern-day movie theaters, people would go to separate concession stands and buy the things you find in most movie theaters today. List three things from this concession stand that you would find inside a movie theater today:

1. _____
2. _____
3. _____

Which car in this scene do you like the best?

Do you know what this object is? →



Activity Location: **Sunset Drive-In (ML)**

Did you know?

June 6, 1933, in Camden, New Jersey, the first drive-in movie theater opened to the public. The cost was 25 cents per car and 25 cents per person.



- What do you think it would be like to sit, in a car, to watch a drive-in movie and why?

- What are the advantages of a drive-in versus a movie theater? Discuss

Math Challenge

Looking at the cars on display, estimate how many people could fit into each car. Now calculate the cost of admission, at a rate of 50 cents per person, plus 50 cents per car.

Activity Location: **Route 66 (ML)**



Geography Quiz

(Hint: find a map of Route 66)

What states have part of Route 66 in them?

Route 66 starts and ends at which two cities?

How many miles long is Route 66?

Bonus Question:

Can you find and list a
nickname for Route 66?

Memory Lane

See the big picture of the Golden Gate Bridge with the sunset above it. Sunsets are always a nice sight. When was the last time you saw a sunset? What were you doing?

Think about all the songs you have listened to and the TV shows or movies you have seen. Did any of them mention Route 66? Why did they mention it? Why is Route 66 important?

Activity Location: **Route 66** (ML)



Travelers of Route 66

From its opening in 1926 to today, countless people have travelled along route 66 for various reasons. What were some of those reasons? Check all that apply.

- For work
- For nostalgia and tourism
- To travel around the Rocky Mountains
- To travel to the Pacific Coast

Sites on Route 66

(Multiple Choice)

What sites were you likely to see when traveling along Route 66?

- A. Diners
- B. Motels
- C. Cities
- D. Inaccurate depictions of Native Americans
- E. All of the Above

Activity Location: **Cammack Tucker Gallery** (ML)



Watch the David Cammack video

- When did he purchase his second Tucker automobile?

Tucker Tiger

- How fast was the Tiger Tank Car? _____
- Where was the Tiger Tank going to be manufactured?

Tucker Interactive

- How many degrees (left or right) must you steer before the center 'Cyclops Headlight' turns on? _____
- Why does this center light design make it safer when driving a Tucker?

- How would YOU describe this display's paint color?

Barn

Did you know?

There are over 10,000 original design drawings for Preston Tucker's automobile. Thanks to David Cammack, he rescued these prints from being thrown away. The AACCA Museum Inc. is now the caretaker for these rare archives. Some of these include hand drawn blueprints that span seven feet in length.

Activity Location: **Cammack Tucker Gallery** (ML)



Time Clock

Look at the timecards. Notice the different job positions and the rates the people were paid. What were some of the names of the people on the time cards and how much did they get paid by the hour?

1. _____
2. _____
3. _____

Dealership

What were the three main items someone could purchase to reserve their Tucker '48 automobile? (Hint: Look for boxes in the glass case across from the desk.)

1. _____
2. _____
3. _____

Task:

Look at the dealership map screen in the office desk to see where Tucker 48 automobiles were sold. How many dealerships were located in your home state?

Activity Location: **Valentine Diner** (LL)



What do you think?

Look in the diner and observe how small it is. Even the dishes are small compared to what you see in restaurants today. Why do you think everything is smaller?

Guessing game:

Some diners use a special lingo, partly because of the culture of diners and partly so they can work faster. Below is a list of words they might use. Guess what you think each word means, then look in the menu for the answers.

- Lumber _____
- Sea dust _____
- Java or Joe _____
- Raft _____
- Fifty-five _____
- Jack Benny _____

Recognize that tune:

The jukeboxes on the counter list songs and musicians from the 1930s to the 1980s. Do you or an adult you are with recognize any of them?

Activity Location: **Valentine Diner** (LL)



Your Favorite:

Diners are known for making good breakfasts. If you could order any breakfast meal what would you get and why?

Find the Answers:

(Hint: read the menu)

What is a diner?

What kind of diner is the one you are in?

How can you tell what kind of diner it is? List three ways

1. _____
2. _____
3. _____

Activity Location: **Bus Collectibles** (UL)



Did you know?

According to the National Highway Traffic Safety Administration (NHTSA), school buses are 70% safer than any other vehicle.

"Students are about 70 times more likely to get to school safely when taking a bus instead of traveling by car. That's because school buses are the most regulated vehicles on the road; they're designed to be safer than passenger vehicles in preventing crashes."

Scavenger Hunt Challenge:

How many lunch boxes can you find? _____

What is the oldest toy you can find? What year is it from? _____

You pick!

There are a LOT of bus collectibles and toys on display. Which one or ones are your favorite? Why?

Activity Location: **Hood Ornaments** (UL)



Did you know?

Many hood ornaments feature animals, mythical creatures, Greek and Roman Gods and Goddesses, Airplanes, Letters and more!

Scavenger Hunt Challenge:

How many animal hood ornaments can you find? _____

Can you find the oldest hood ornament? What year is it from?

How many different countries are the hood ornaments from? _____

(Hint: Read the Labels and check every display case)

Motometers

Some hood ornaments are called Motometers. These special hood ornaments have temperature gauges inside and were used to show the temperature of the car's engine and alert the driver if their car's engine was getting too hot.

Can you spot any Motometers? What are some differences between Motometers and other hood ornaments?

Did you know?

Lord Montague (from England) created the first hood ornament using a statue of Saint Christopher on his 1896 Daimler.

Activity Location: **Hood Ornaments** (UL)



What are hood ornaments made of?

Most hood ornaments are made from metal, but some were made from **bakelite** (a type of plastic) or glass.

Can you spot any hood ornaments that are made from both metal and glass?

Museum Cars:

While walking through the museum did you spot any cars with hood ornaments?

Can you remember which ones? _____

Did You Know?

Hood Ornaments were meant to be viewed from the side?

Hood ornaments were often given the nickname art in motion because when viewed from the side on a moving car they also appear to be in motion.

Which hood ornament is your favorite and why?


Activity Location: **Motorbikes** (UL)



Look though the gallery at the different motorbikes, sizes and styles. There is a display screen that defines different models and what they are called.

- Which types of motorbikes typically have smaller wheels?

- Can you identify what type of motorbike this is?

A. Motorcycle	
B. Motor Scooter	
C. Moped	
D. Mini-bike	
E. Dirt bike	

Which details helped you to arrive at your answer?

- Which cars, trucks, motorbikes and/or items on display at the AACCA Museum Inc. were your favorites?

- Are there cars or items that you would like to see displayed at the AACCA Museum Inc. in the future?

- Please tell us! education@aacamuseum.org

