

## *Learn and Tour questions*

As you tour DeBary Hall, listen for facts to answer these questions.

1. Name the three states of water and how the deBarys used each:

A.

B.

C.

2. Where did the deBarys get their ice?

3. How large was the tank that contained water in the attic of the house?

4. What type of water was used in the pool?

5. How long was the steamboat ride along the St. Johns River from Jacksonville to Enterprise?



The program was developed by the staff of DeBary Hall Historic Site. DeBary Hall Historic Site is owned by the State of Florida and managed by Volusia County's Parks, Recreation and Culture Division.



# DEBARY HALL HISTORIC SITE'S Learn and Tour Lessons



## INNOVATION: Water, Water, Everywhere

## About this lesson

In this Learn and Tour activity, you will learn how the deBarys used water at their Florida hunting estate. You will discuss how your life would be different without water. When you visit DeBary Hall Historic Site, you will see how the DeBarys contained water and some of the ways they used water to make their lives easier.

## Benchmarks and skills

**Grade level:** 2nd - 5th grade

**Benchmarks:** Social studies and reading language

**Skills:** History inquiry and analysis, growth of Florida, the reading process, communication, informational text

## Vocabulary list

- *Cistern:* container for holding water, often built outside
- *Coal:* a black substance that can be burned as fuel to provide heat or power
- *Ice box:* a large container that keeps perishable items cool when packed with ice
- *Ice house:* a building that stored ice before refrigeration
- *Scientific method:* the steps of testing observations and experiments
- *States of water:* the forms water can take—gas (steam), liquid and solid (ice)
- *Steamboat:* a boat that used coal and water to create steam to function

## Background

From toilets to ice to steamboats, water was important at DeBary Hall. The wealthy deBarys cared about water because their comfort depended on it. More than most people around Florida, they could almost control their surroundings. The deBarys used water in all three of its states—as liquid for drinking, bathing, swimming and farming; as ice to keep meats and crops fresh; and as steam to run steamboats. One of the most important buildings on site was the ice house, which kept the ice from melting without electricity! Other structures that contained water included a water tower, a cistern, pipes, and a 500-gallon tank that used gravity to move water throughout the house. The deBarys built a pool using a local spring; it's documented as the oldest swimming pool in Florida!

## In the classroom

Explore the *Water, Water Everywhere* exhibit panel and the multimedia presentation to understand the importance of water at DeBary Hall.

1. How did the deBarys use water before electricity?
2. What structures were built to utilize water?
3. How do you use water each day?
4. Try to imagine a day without water. What would you miss most? On a separate sheet of paper, write a paragraph of how a day without water would affect your day.