

# Railroad Exhibit

In the 1880s paddle steamboats helped move freight and passengers along the Indian River. Henry Flagler ran several steamboat lines to help support the construction of his railroads. People along the Indian River convinced Flagler to extend the railroad south to Daytona. By 1892 Flagler's Jacksonville, St. Augustine, and Indian River Railway Company reached New Smyrna and Titusville, and Cocoa and Rockledge in 1893. In 1908 Flagler became tired of maintaining his railway from the East Coast Railways mainline to Rockledge and tried to buyout the owners of the hotels who refused. On a Sunday morning when no judges were available Flagler sent a crew of workers to removed .6 miles of the track.

Flagler extended his railroad system farther south to Miami due to the severe freezes of 1894 and 1895. In 1895 the expanding of the rail line was renamed the Florida East Coast Railway before the completion of the rail construction south of Palm Beach. The hotels in Palm Beach became the winter resorts for the wealthy.

Flagler first visited Florida in 1878 and he saw the potential for a winter resort in Florida. In 1885 Flagler's first venture was the construction of the grand hotel Ponce De Leon in St. Augustine. His first major railway acquisition was the Jacksonville, St. Augustine, and Halifax railroad. Piece by piece Flagler acquired and joined existing lines.

## **Objectives:**

### **Fifth Grade:**

Understand how energy relates to trains.

Discuss the advancements in railroad transportation in Florida.

Describe the benefits of the railroad.

Use information from the exhibit to answer questions related to main ideals and relevant details.

Understand how to find the area of a parallelogram.

### **Science:**

SC.5.P.10.2 Investigate and explain that energy has the ability to cause motion or create change.

Does energy have the ability to cause motion or create change for trains? Explain why or why not and give an example.

### **Social Studies:**

SS.5.A.6.3 Examine 19th century advancements (canals, roads, steamboats, flat boats, overland wagons, Pony Express, railroads) in transportation and communication.

Discuss the advancements in railroad transportation in Florida. List some of the benefits of the railroads.

**Reading and Language Arts:**

LA.5.2.2.2 The student will use information from the text to answer questions related to explicitly stated main ideas or relevant details;

After going through the railroad exhibit answer these questions,

What was the impact Flagler had on the Florida railroads?

How did the railroads impact the exchange of goods and ideas?

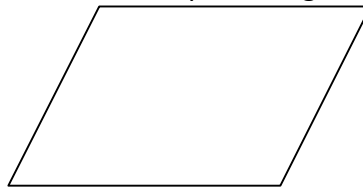
Which city attracted many wealthy tourists during the winter months and coined the term “doing the winter season”?

How did the railroads impact tourism in Florida?

**Mathematics:**

MA.5.G.5.4 Derive and apply formulas for areas of parallelograms, triangles, and trapezoids from the area of a rectangle.

Imagine that a railroad track is in the shape of a parallelogram with the given dimensions: base 4.6 miles and height 9.2 miles. What is the area of the parallelogram?



What is the area of this parallelogram?