

COLO-ROAD
TRIPS
-K TO 5TH GRADE-
EDUCATIONAL ITINERARIES

EXPLORE OUTSIDE THE CLASSROOM. LEARN INSIDE OUR STATE.

It's All in the Details

Colorado Model Railroad Museum

Background: The museum is home to a HO Scale model railroad, a marvel with its many details of mountains, trees, and towns. It almost seems like you're a giant looking down on a magical land. The museum has 5,500 square feet of miniature fun including 28,000 trees and 80 scale miles of track.

Word Alert:

- **Scale** is the relationship between the size of something and its size in the real world.
- **HO Scale** is the proportion used in this museum. It is 1 to 87 scale or 1:87.
- **Gauge** is the distance between the outside rails of the track
- **Model** is a three-dimensional version of a person or thing

Questions to Ask:

Before going in, ask

- *What do you expect to see in the museum?*
- *What kind of details do you expect to see?*

Activity: Complete the following chart - make predictions of what you expect to see, and then write about what you saw calling out the details that surprised you. saw after visiting.

What I expect to see	What I saw	Surprising details

Extra Challenge:

Let's figure out the size of objects found on a model railroad using the HO Scale model. You will need a calculator for this one. Since the scale is 1:87, you will need to divide the number of inches by 87 to see how big the model will be

Actual object	Inches or feet	HO Scale divide by 87
Average man is 6 ft=72inches	72 inches	.83 inches
Fourteener is 14,000 ft	14,000 ft	161 feet
Two story building	25 ft=300 inches	
Tree		
Single story house		
Dog		
Stop light		