California State Railroad Museum at Old Sacramento State Historic Park

Junior Engineer

Activity Book

Junior Engineer

Certificate of Completion

_____

(your name here)

has completed the Junior Engineer Museum Activity Guide at the CALIFORNIA STATE RAILROAD MUSEUM and is now an official Junior Engineer for California State Parks and has pledged to be a keeper of history.

_____

Museum Staff Signature

Become a Junior Engineer!

_____

Your Name

_____

Date

Earn your ***Junior Engineer*** award by completing the activities in this book as you explore the Museum. Bring your completed Activity Guide to the Museum front desk when you are finished for your official Junior Engineer award. Once you have taken the Junior Engineer pledge, you can help the hundreds of park staff and volunteers who protect and care for our California State Parks.

Find answers to the questions you are asked by touring the Museum, reading exhibit information or exploring the Museum with your family. Park staff and volunteers will be happy to help you discover the Museum!

Take the Junior Engineer challenge and begin your adventure today!

Junior Engineer Pledge

I _____ promise to:

(your name)

- Treat the Museum and exhibits with care and respect.
- Be careful of what I do and how it affects others.
- Learn about the importance of history and our heritage.
- Share with my family and friends.

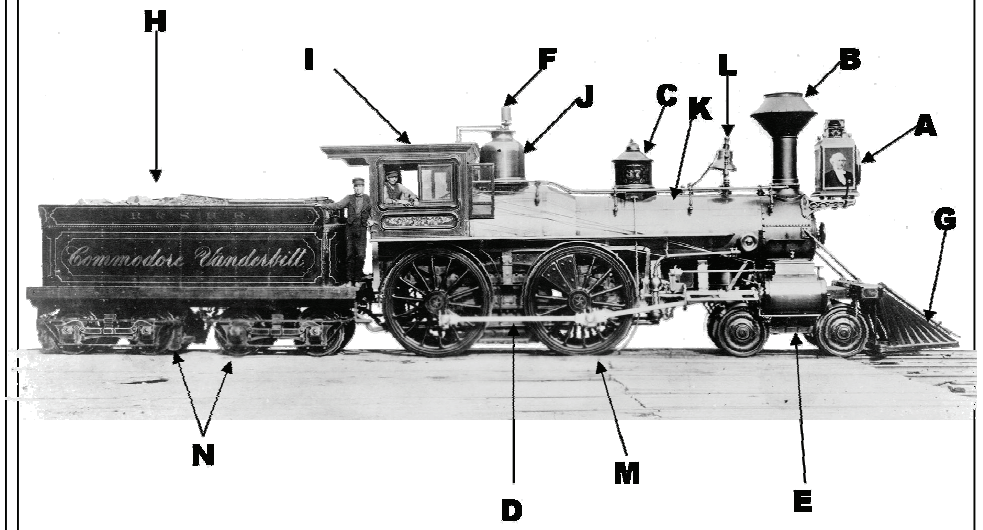
_____

(Sign here to become an official Junior Engineer)

Name those parts!

Try to match as many letters as possible to the names listed below.

Do all steam locomotives have these parts? _____



____ Boiler ____ Cowcatcher/Pilot ____ Smokestack

____ Driving Wheels ____ Cab ____ Sand Box

____ Truck Wheels ____ Headlight ____ Tender

____ Cylinder ____ Steam Dome ____ Driving Rod

____ Whistle ____ Bell

What is your favorite locomotive at the California State Railroad Museum?

_____

TRANSCONTINENTAL RAILROAD WORD SEARCH!

Hidden in this puzzle are key words associated with the Central Pacific Railroad. The words are hidden across, up, down, and diagonally. The words can also be found underlined in the sentences below. *See if you can locate them all!*

Y	J	U	P	I	T	E	R	B	I	R	D	O	N	E	O	S	T	E	A
I	H	N	G	O	R	S	A	C	R	A	T	M	G	M	W	E	S	T	T
C	O	I	B	F	A	M	O	U	P	N	H	T	L	O	C	O	M	O	R
O	H	O	T	I	I	A	L	M	E	K	E	H	E	R	M	A	R	V	U
L	A	N	O	M	G	K	H	M	U	T	O	E	L	I	A	L	O	H	A
L	R	P	M	S	R	F	A	R	E	C	D	O	E	G	R	O	W	H	T
I	Y	A	O	L	D	R	O	W	I	N	O	H	M	S	K	G	A	P	H
S	K	C	R	V	C	F	L	U	S	V	R	X	D	M	H	M	H	O	P
P	K	I	R	A	G	C	H	A	R	L	E	S	C	R	O	C	K	E	R
H	O	F	S	T	R	H	E	L	L	O	J	U	M	I	P	A	P	R	E
U	G	I	P	R	A	I	M	P	R	E	U	T	A	H	K	J	A	C	K
N	E	C	I	E	N	N	E	O	D	T	D	E	C	Y	I	B	C	T	U
T	N	E	W	K	D	A	B	E	T	U	A	R	Q	X	N	L	O	S	T
I	S	F	E	X	M	L	I	N	C	O	H	U	R	L	S	O	W	Q	U
N	X	Z	C	E	N	T	R	A	L	P	A	C	I	F	I	C	O	M	P
G	B	V	K	P	A	R	K	S	N	F	U	N	W	E	L	I	K	Q	N
T	M	C	L	E	L	A	N	D	S	T	A	N	F	O	R	D	G	E	O
O	Q	E	U	A	R	O	C	H	A	T	L	R	W	C	R	O	P	E	R
N	K	I	T	S	B	E	S	T	G	O	L	D	E	N	S	P	I	K	E
O	L	P	N	T	R	A	N	S	C	O	N	T	I	N	E	N	T	A	L

1. **Theodore Judah** was an early promoter of the **Transcontinental** Railroad and surveyed a route through the Sierra Nevada Mountains.
2. **Leland Stanford**, **Collis P. Huntington**, **Charles Crocker**, and **Mark Hopkins** make up the **Big Four** who created and financed the **Central Pacific** Railroad.
3. The Central Pacific Railroad started in **Sacramento** while the **Union Pacific** Railroad started in **Omaha**, Nebraska.
4. The Central Pacific railroad brought thousands of workers from **China** to build track from California to **Utah**.
5. The **Jupiter** represented the **West** and the No.119 represented the **East** at the **Golden Spike** Ceremony.

GET TO KNOW THE MUSEUM!

Complete the two activities below and check them off when you are done!

☐ Interview someone who works at the Museum by asking them questions about their job.

1. What do they enjoy most about their work?

_____

2. What do they hope for the future of the Museum?

_____

3. Write your own question here:

_____

☐ Go on your own tour. Describe your favorite train, locomotive, exhibit, and more!

I chose the _____.

It was my favorite because_____

_____.

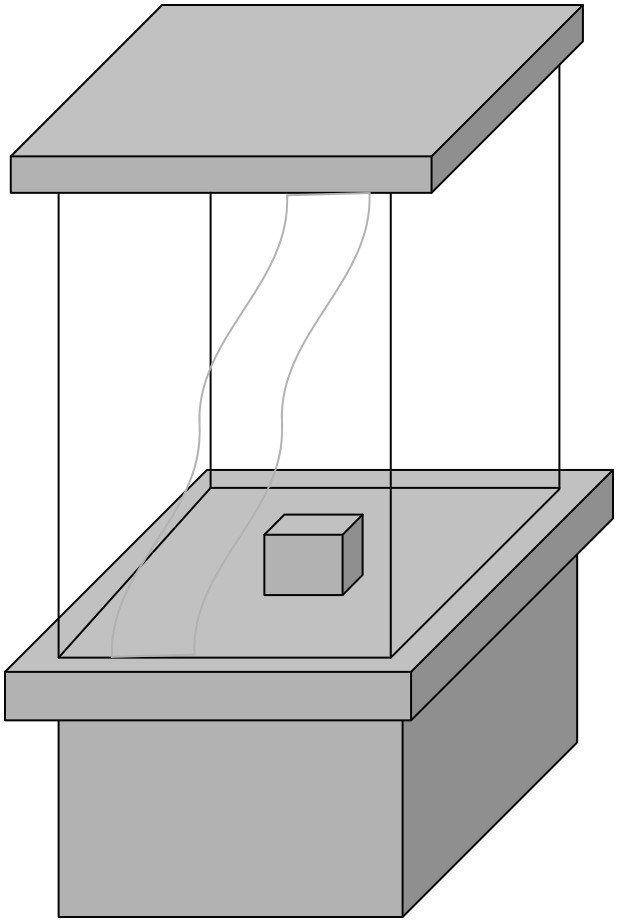
Explore the Museum with your family or friends for at least one hour. Write down where you went and what you saw.

_____

_____

THE LOST GOLDEN SPIKE!

Did you find the Lost Golden Spike in the Museum?
Draw your own Golden Spike in the special case below.
Name three names that are written on the Golden Spike in the Museum.



_____

_____

_____

RAILROAD Scramble

Most of the railroad cars on display in the Museum were built outside of California. Three have been selected for you to identify by unscrambling the name and year built.
A clue is given for each… think it over carefully!

HOTLGOASDCET

_____ _____ _____ **8519**

Clue: Traveling In Style

ALSSEIVRTET

_____ _____ **8811**

Clue: All That Glitters Isn't Gold

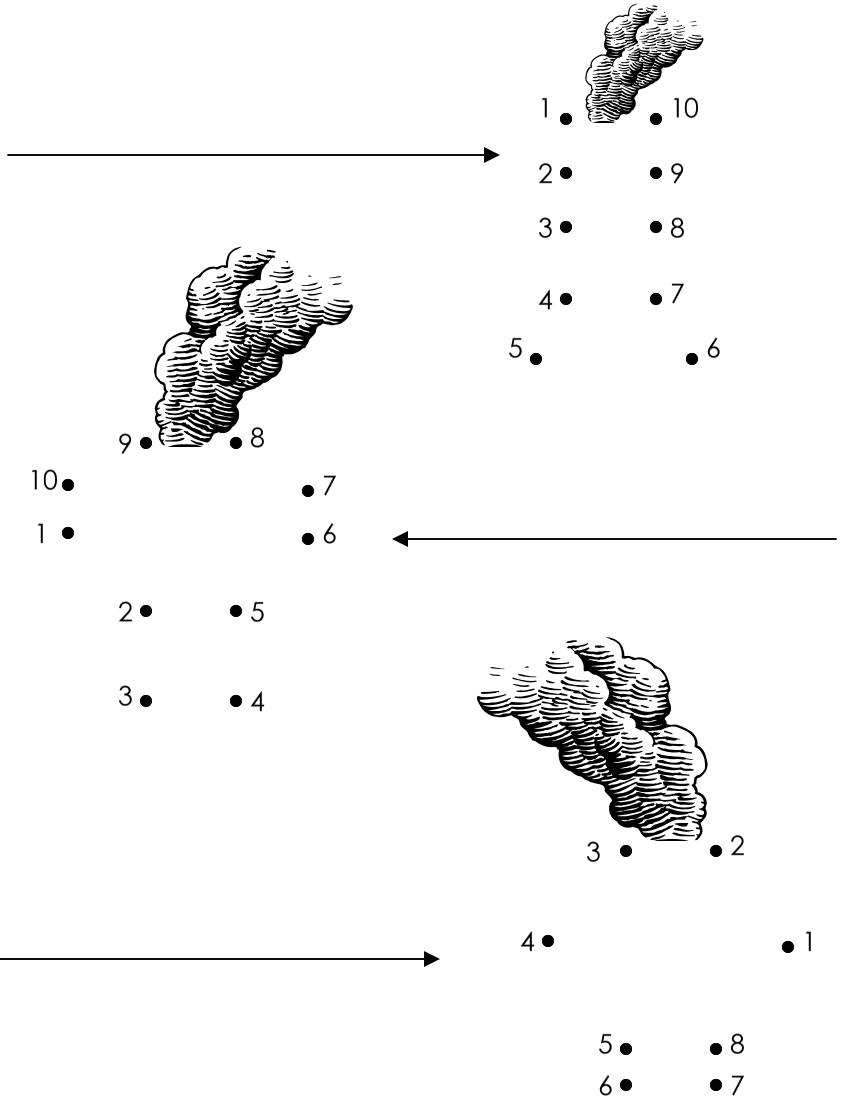
CHTYINHETSA

___ _____ **9291**

Clue: Sleeping On The Rails

PUFF PUFF!

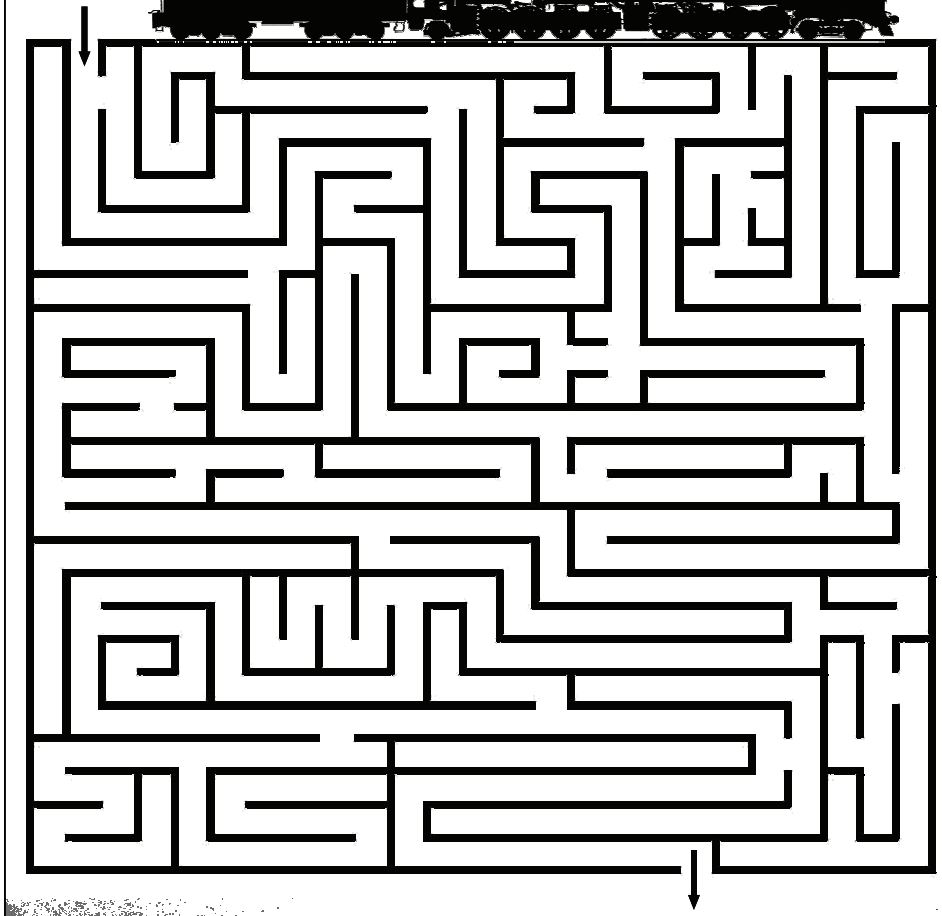
Hidden below are three smokestack shapes. To see their shapes, connect the dots. As you walk through the Museum locate a locomotive with a similar smokestack shape. Then, using the words below, write in the name on the arrow that you think best describes the shape you've discovered!

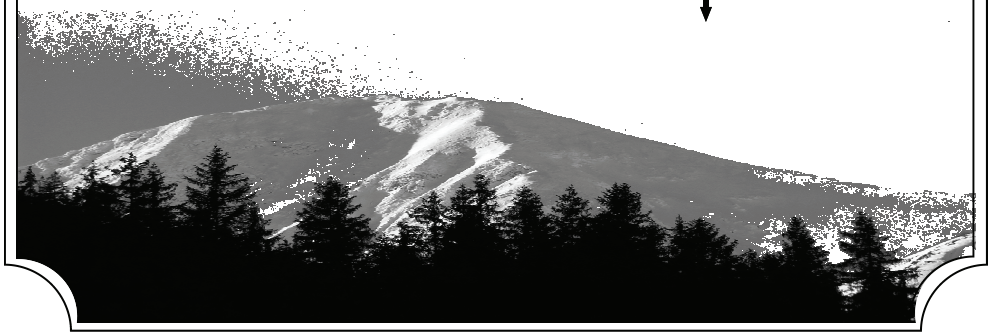


DIAMOND SHOTGUN BALLOON

Mountain Crossing

Did you find the million-pound locomotive, the Cab-Forward, in the Museum? Now help find a route through the mountains of the Sierra!





Which railroad job would you like? A Conductor or Engineer?

Try one on for size, draw yourself wearing each hat!