

Cause-and-effect relationship



A relationship between events or things in which one results from the other

Conduction

The transfer of heat through physical contact between components in a system

Constraint

A limit or a restriction

Convection

The transfer of heat through the movement of a medium, such as air or water

Dam

A barrier built to hold back water. The water held behind it can be used for energy production, recreation, drinking, irrigation, or a combination of uses.

Ecosystem goods

Materials, such as timber and water that are produced by natural systems and used by human communities

Energy

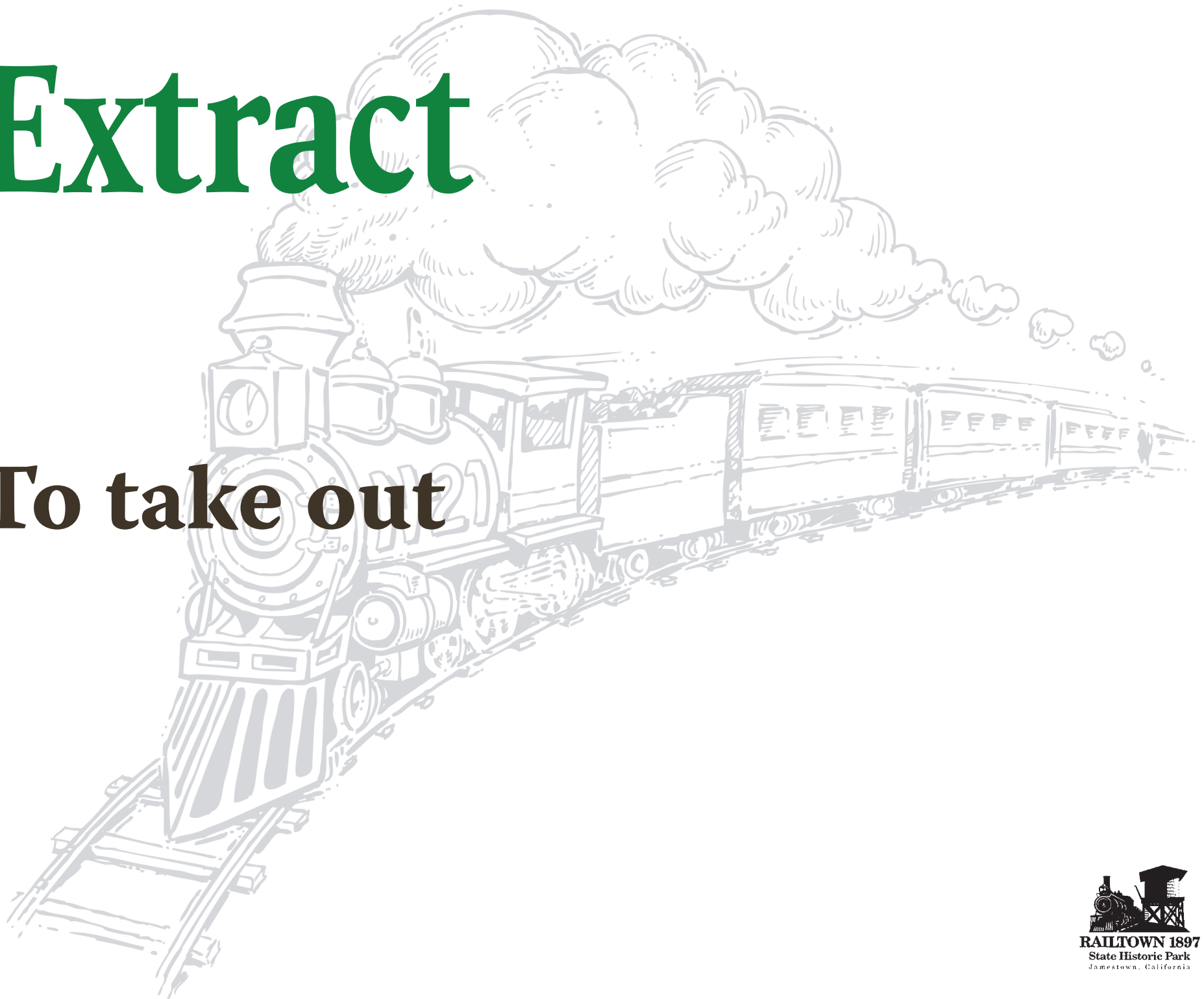
**A measurement of how much
work a system can do**

Engineering

**Designing a solution to a
problem or need**

Extract

To take out



Grade

Slope, measured in percent

Kinetic energy

Energy that results in an object's motion

Migration

**The physical movement
of people from one area
to another**

Narrow gauge

A set of tracks whose two rails are spaced less than the standard distance of 56.5 inches

Ore

Rock that contains minerals with metals like gold or nonmetallic material that can be extracted for profit

Parallel

**Lines that are the same
distance from each other
everywhere and never cross**

Potential energy

Stored energy due to the position of components relative to each other in one system

Right-of-way



**The legal right to pass along
a route through property
belonging to another person
or entity**

Siding

A short track that connects to a main line track, used to store rolling stock or enable trains on the same line to pass each other

Standard gauge

A set of tracks whose two rails are spaced the standard distance of 4 feet, 8.5 inches

Switchback

**A path that makes a “Z”
shape winding along a
hillside**

Transcontinental

Crossing a continent

Transfer

**Movement from one place
to another**

Transport

**To move from one place
to another**